NORONHA
ENGENHARIA S.A.

PRESENTATION OF THE COMPANY

CONTENTS

This Brochure describes the activities of Noronha Engenharia, presenting its identification data, organizational structure, types of services offered, as well as fields of specialization. It also informs about some of the most important services performed and about our clients.

Noronha Engenharia was originally established in 1932, by Professor Antonio Alves de Noronha, with the goal of providing reliable and independent advice and consultancy in bridge design and structural engineering. The firm has, over the years, widened the range of services offered, providing a multidisciplinary approach, as required by large scale projects and construction management. Nowadays, Noronha offers engineering consulting services in the areas of:

- **Industrial and civil engineering;**
- **Highways, railways, maritime and urban transportation;**
- **Sanitary engineering;**
- **Rural and urban development and energy.**

Noronha provides a broad spectrum of services, ranging from field surveys to detailed design, studies of feasibility and management and construction supervision.

Noronha Engenharia has designed and supervised the construction of many engineering developments, including the Rio-Niteroi Bridge complex, railways in the north and south regions of Brazil, mass transportation systems and fixed offshore platforms for the oil industry, working in various levels, with a highly specialized team, being able to render engineering consulting services all over the world.

PRESENTATION OF THE COMPANY

1932 - 2008
76
Years

INTRODUCTION

NORONHA ENGENHARIA S.A. is a consultant engineering company in Rio de Janeiro, with branches in São Paulo and Bahia states, as well as commercial representations and units of attendance of works in several states of Brazil.

NORONHA has been established for more than seventy-four years, with outstanding performance in several companies and active participation in the most important engineering works of our country.

Qualified to act in multiple fields of engineering, **NORONHA** has a dynamic and modern organization, capable to immediately mobilize all their structure, whenever necessary.

AREAS OF PERFORMANCE

- Civil and Industrial Engineering
- Highways, Subways, Railways, Maritime and Urban Transportation
- Structural Engineering and Foundations
- Hydraulic and Sanitary Engineering, Irrigation, Drainage and Water Supply
- Urban and Regional Development
- Offshore Oil Engineering
- Water Resources, Soils and Irrigated Agriculture
- Preservation and Environmental Recovery.

SERVICES

- Topographical, Geological and Geotechnical Studies
- Technical and Economical Feasibility Studies
- Basic and Executive Projects
- Architecture and Structural Engineering
- Technical Evaluation and Quality Control
- Technical Consultancy, Supervision and Administration of Companies

The permanent technical team of the company is constituted by highly qualified professionals, with great technical experience in several specialties. The company has an agile and efficient structure, based on the newest organizational concepts.

ISO9001

Having in mind that the adoption of an international quality standard comes to solidify the commitment of the company in adopting measures for the continuous improvement of services offered to their customers, the board of directors implemented an Administration Quality System, following ISO9001 Standard requirements. Now the Administration Quality System is being modified to become an Integrated Administration System, following the requirements of ISO9001:2000 (Quality), including:

- Elaboration of Studies and Engineering Projects;
- Companies Administration;
- Supervision of Works and Companies, including Technical Supervision, Technological Studies, Quality Control and Technical Consultancy;

COMPANY'S GENERAL INFORMATION

DESIGNATION	**NORONHA ENGENHARIA S.A.**
MANAGEMENT	**MOEMA PARÁ NORONHA - PRESIDENT** **BERNARDO GOLEBIOWSKI - TECHNICAL DIRECTOR** **JOÃO PARÁ NORONHA - DIRECTOR** **PAULO RENATO DA SILVA - DIRECTOR**
HEADQUARTERS	**Av. Graça Aranha, 226 - 9th and 10th floors** **Zip Code 20030-001 - Downtown - Rio de Janeiro - RJ** **tel (21) 2282-1221 fax (21) 2262-7942** **e-mail: noronha@noronha.com** **http://www.noronha.com**
SÃO PAULO BRANCH	**Av. Santo Amaro, 791 – 1st Floor** **Zipcode 04505-001 – Vila Nova Conceição – São Paulo – SP** **Tel: (11) 3845-6672** **Fax: (11) 3816-8008** **e-mail: noronhasp@noronha.com**

MAIN ACTIVITIES	**Technical and Economical Consultancy, Studies, Projects, Planning, Calculations, Technical and Economical Consultancy Administration, Supervision and Supervision of Engineering Works in general.**

SOCIAL CAPITAL	**R$ 14,484,354.00 (fourteen million, four hundred and eighty four thousand and three hundred and fifty four reais), base 28th April 2006.**
CNPJ (Brazilian Registry of Legal Entities)	**33.451.311/0001-26**
RIO DE JANEIRO STATE REGISTRATION	**83.958.650**
RIO DE JANEIRO CITY REGISTRATION	**00.033.863**
CREA-RJ (Rio de Janeiro State Engineering and Architecture Council)	**69-2-00256-2**

FACILITIES

The Rio de Janeiro headquarters own facilities have approximately 1.000m² of usable area, distributed in two floors.

The branch in São Paulo has 250 m² of installed area.

LIBRARY

NORONHA maintains, since its foundation, a library that counts today with approximately 10,000 volumes.

A specialized collection in Civil Engineering formed by books, national and international newspapers, annals of Symposia, Congresses and Seminars, technical standards of the main institutes, ABNT (Brazilian Association of Technical Standards), ISO, AASHTO and AISC and all of the projects accomplished by the company in the last 75 years.

For the control of our collection, a database has been developed, through the program CDS IISIS Windows that allows the administration of all the collection. This database is available, through INTRANET, to all the technical staff.

AGREEMENTS ON TECHNICAL COOPERATION

NORONHA follows the most modern technologies in the development of projects, in agreement with the most recent criteria, studies and researches, developed in Brazil and other countries. Abroad, NORONHA has agreements with laboratories, universities and companies, and is also an active member of IABSE (International Association of Bridge and Structural Engineering), PCI (Prestressed Concrete Institute), ACI (American Concrete Institute), AREA (American Railway Engineering Association) and ASCE (American Society Civil of Engineers).

NORONHA has an agreement of technical cooperation with the Lehigh University, as well as the Fritz Laboratory - the largest institute of research of structural steel of the United States. NORONHA is also involved with the Low Speed Aerodynamics Laboratory of National Research Council of Ottawa, Canada, one of the more considered laboratories in wind tunnel tests in reduced models for great structural spaces, and the National Laboratory of Civil Engineering (LNEC), in Lisbon, Portugal, internationally recognized for the monitoring and evaluation of the behavior of concrete structures.

We have developed works with Leonhardt, Andra und Partner Consulting Engineers GmbH of Stuttgart, Germany, as well as with TAMS Consultants Inc. of New York, with the Pile Dynamics Inc. of Cleveland, with Sir William Halcrow and Partners of London, England, with Howard Needles Tammen Bergendoff of New York, and with Carl Bro A/S of Copenhagen, Denmark, in the areas of cabled-stayed bridges, pile driving monitoring, off-shore platforms, tunnels and irrigation projects.

We have also developed technological improvement in the area of projects and maintenance of great mixed, prestressed cabled-stayed and suspended bridges with Nihon Doro Kodan, of the Japan Highway Public Corporation in Tokyo, in Japan.

In Brazil, **NORONHA** maintains contacts with several universities and centers of research like IPT (Institute of Technological Research) of São Paulo; USP (University of São Paulo), COPPE of the Federal University of Rio de Janeiro and PUC (Pontifícia Universidade Católica) of Rio de Janeiro.

INFORMATICS RESOURCES

Always attempting to the emergence and development of computational technologies capable to print speed and reliability to the different areas of their activities, **NORONHA** is proud for its pioneering in the computer science area. Since the late 60s we have already counted with our own computational hardware, initially composed of an IBM-1130 computer that, in view of fast obsolescence of the equipments, has been renewed continuously and systematically.

In this sense, now our computer science system has Novell NetWare local nets, managed by microcomputers, with printers in color of high quality, that interconnect the several work stations, including administrative units and production ones.

For the areas of graphic computation and multimedia, **NORONHA** has complete graphic stations with microcomputers, plotters, scanners and monitors of high resolution, all operated by technical personnel specialized in these functions.

It is worth to mention the importance that the company dedicates to the integration CAE / CAD, where most of the softwares allow the execution of the architectural project and the structural analysis interconnected to the automatic production of the executive drawings. Among the acquired softwares for this end, AutoCAD and MicroStation are the main ones specific for the area of CAE / CAD, as well as several softwares in the area of projects of highways, hydrology, drainage, sanitation, soils mechanics, contentions and structures.

Besides these softwares, the company counts with programs developed *in house* in the areas of structures, reinforced and prestressed concrete, metallic structures, highways, foundations, soil mechanics, dams, offshore platforms, hydraulic resources and irrigation, as well as others in the editorial business areas, planning and control.

INSTRUMENTATION AND MONITORING

NORONHA has equipment and specialized personnel for the accomplishment of dynamic load proof and pile driving monitoring with their corresponding softwares.

In the area of instrumentation of structures, the company has several measurement equipment such as accelerometers, electric and mechanical extensometers, osciloscopes, crackmeters, load-cells, thermo-hygrographs, bubble inclinometers and other accessories necessary to the complete instrumentation and observation of the behavior of great structures.

TECHNICAL TEAM

NORONHA comes along the years acting with technical teams formed by professionals of the highest level, in the areas of conception, project, supervision and administration of works.

The technical team is constituted by engineers, architects, economists and specialist technicians, some of them with more than twenty years of experience and postgraduates, including courses and participations in national and international Congresses in the several areas of consultant engineering.

LIST OF THE MAIN FINISHED AND CURRENT WORKS

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Technical Engineering Services referring to structural designs and analyses of Platforms PAG - 3, PCM - 7 and PCR - 1, as well as inspection of the "ADEP" System, property of Petrobras.	Sergipe State/ Ceara State	Industrial	PETROBRAS
Technical Engineering Services for the analysis of the foundation soils conditions of the Campos Basin, elaboration of the PPM -1 Platform's database and various services on the PCR – 1 Platform.	Rio de Janeiro State/ Ceara State	Industrial	PETROBRAS
Elaboration of the Structural Re-Analysis System of the Pampo and Carapeba 2 Platforms, as well as revision of the standard design for Platforms of 1st Family.	Rio de Janeiro State	Industrial	PETROBRAS
Detailing of the Basic Design of Fixed Production Platforms Modules of 1st and 2nd Families.	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services referring to the Dimensioning of Stiffener for the Operation of "Workover" Drilling Gauges on Production Platforms PGA – 1, PGA – 4 and PUB – 1.	Rio de Janeiro State	Industrial	PETROBRAS
Registration of Production Installations of Regions RPBA, RPRE, DIGUAR and DISUA of the Production Department (DEPRO).	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services related to the Basic Designs of Four Modulated Fixed 3rd Family Platforms, for water level of maximum 150m, as well as the implementation of CONDATA information system on DEPRO's production installations.	Rio de Janeiro State	Industrial	PETROBRAS
Structural Design of Production Modules – 45,000 BOPD and 15,000 BOPD Standard (2nd and 3rd Families).	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services for the development of the Basic Design of modulated trusses for 3rd Family Platforms with water level of maximum 150m.	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services referring to the Detailing of Executive Design for the Installation of Template and Adaptation of the 3rd Family Deck, for the PAS – 11 Production Platform.	Rio de Janeiro State	Industrial	PETROBRAS
Executive Design of Structural and Installation Detailing of the Anchoring Piles, Bridges and Structures – Pile Driving Standard of the PAS – 11 Platform.	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services referring to the structural analyses of PCB - 1, PGA - 2, PGA - 3 and PUB – 14 Platforms and Basic Designs of 1st Family Modulated Platforms.	Rio de Janeiro State/ Rio Grande do Norte State	Industrial	PETROBRAS
Technical Engineering Services referring to the detailing of deck stiffeners, truss analysis and tied up structure for the support of containers PCR – 1 Production Platform.	Rio de Janeiro State	Industrial	PETROBRAS
Structural and Installation Design of a Template for the Bicudo Field (Campo de Bicudo).	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services related to the structural analyses of damage suffered, revision of the inspection plan and preparation of the Structural Re-Analysis System (SRE) data of PCR – 1 Production Platform.	Rio de Janeiro State	Industrial	PETROBRAS

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Execution of monitoring services of foundation piles driving of PPM – 1, PCH – 1 and PNA – 2 Production Platforms.	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services of Deck and Truss Detailing of PCR – 1 Platform, gas lift and production installations, fire fighting system dimensioning, natural gas reutilization and materials surveys for platforms.	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services related to the deck detailing and production modules of PCR – 1 Platform.	Rio de Janeiro State	Industrial	PETROBRAS
Elaboration of the Cherne - I (PCH - 1) Platform Database.	Rio de Janeiro State	Industrial	PETROBRAS
Technical Project Engineering Services for the development of preliminary designs of two production platforms on the Amistad Field (Campo de Amistad).	Ecuador	Industrial	PETROBRAS
Technical Engineering Services referring to the development of the structural design of the fixed production platforms Pargo (PPG – 1), Carapeba (PCP – 1 and PCP – 2), and Vermelho (PVM – 1, PVM – 2 and PVM – 3).	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services referring to the basic detailing of the project's revision – 1st Family platforms standard and organization and methods of the "ADEP" System, property of Petrobras.	Rio de Janeiro State	Industrial	PETROBRAS
Execution of the Inspection Plans and Structural Re-Analysis System (SER) of the Production Platforms PUB - 1, PUB - 5, PUB - 6, PUB - 7 and PUB - 8.	Rio Grande do Norte State	Industrial	PETROBRAS
Technical Engineering Services for the methods development area, revision of the structural design of the 1st Family Platforms, inspection plan and SRE data preparation of Platforms PCM - 7 e 8, PAT - 1, PAT - 2 and PAG – 1.	Rio de Janeiro State	Industrial	PETROBRAS
Technical Engineering Services related to the development of the basic structure design of the deck and modules of Enchova Oeste (PEO – 1) Production Platform.	Rio de Janeiro State	Industrial	PETROBRAS
Execution of monitoring services of pile driving of Platforms: PARGO 1A/1B, CARAPEBA 1,2 and VERMELHO 1, 2, and 3.	Rio de Janeiro State	Industrial	PETROBRAS
Elaboration of the Database for the Structural Re-Analysis System (SER) and Inspection Plan of CARAPEBA 2 (PCP - 2) Platform.	Rio de Janeiro State	Industrial	PETROBRAS
Rendering of Technical Project Engineering Services referring to the detailing of Enchova's Central Platform complementing module and of the support structure of life boats of the SS – 17 (STAFLO) Semi-Submersible Platform.	Rio de Janeiro State	Industrial	PETROBRAS
Rendering of complementary Engineering Services of structural projects development of maritime production systems.	Rio de Janeiro State	Industrial	PETROBRAS
Rendering of Technical Engineering Services referring to the standardization of DEPRO materials.	Rio de Janeiro State	Industrial	PETROBRAS

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Revision of the Structural Re-analysis System (SRE) and elaboration of the inspection plans related to the Maritime Platforms PCM - 6, PCM - 7, PCM - 8, PCM - 9, PCM - 10 and PCM - 11.	Rio de Janeiro State	Industrial	PETROBRAS
Complementary development services of structural/naval basic projects of the two Albacora trusses (Phase II) and Carapeba – 3 truss.	Rio de Janeiro State	Industrial	PETROBRAS
Updating of the Inspection and Implementation Plans of Data on the SAVES II System, for the Fixed Platforms of the Campos Basin and elaboration of a new database for the Garoupa Platform.	Rio de Janeiro State	Industrial	PETROBRAS
Detailing of the project of structures recovery, "SHED" type, and of sustainment of the paraffins storage coverage – GEI.	Rio de Janeiro State	Industrial	PETROBRAS
Elaboration of Plans and Descriptive Materials, referring to the alienation of building land areas and tracts on Rio de Janeiro Petrochemical Complex.	Rio de Janeiro State	Industrial	PETROBRAS
Executive Design of the Platforms Structure of ATUM – 3 (PAT – 3) including *in situ* and installation analyses.	Ceara State	Industrial	A.ARAÚJO
Elaboration of the Structural Re-Analysis System(SER) of the Pat – 3 Platform	Rio de Janeiro State	Industrial	A.ARAÚJO
Engineering Projects and Civil Detailing of the Yards of Raw Material, Ore, Various Materials, Sinter, Uniformity and Limestone Crushing Station of the Ouro Branco Steel Mill – Package A04	Minas Gerais State	Industrial	AÇOMINAS Steel Mill
Engineering Projects and Civil Detailing of the Calcinations Yard of the Ouro Branco Steel Mill – Package B02.	Minas Gerais State	Industrial	AÇOMINAS Steel Mill
Structural Projects and Technical Follow-up of the Expansion of the Carbonation and Filtering, Absorption and Still Buildings – Phase 2, and of Calcination, on the industrial installations of Cabo Frio, Rio de Janeiro State.	Rio de Janeiro State	Industrial	ÁLCALIS Sodium Carbonate Company
Expansion Project of the Calcination Building.	Rio de Janeiro State	Industrial	ÁLCALIS
Management and Supervision of the Civil Works and Electrical Interconnections of 33kV, 13.8kV and 3kcc of the Francisco Morato and Pari Substations.	São Paulo State	Industrial	CBTU/SP (Brazilian Urban Trains System)
FEED of a Catalytic Converter (U-222) for the Henrique Lage Refinery – REVAP – SP, including Bases for the following Equipment: Cooling Towers, Pressure Vases, Exchangers, Reactors, Furnaces, Pumps and Compressors, as well as Warehouse for the Turbo-Compressors House (Overhead Crane of 25 t., 12.00m X 50.00m x 21.00m high), Pipe-racks, Paving, Drainage and Metallic Bridges; Executive Part: Detailed Design of Deep Foundations and Embankment.	São Paulo State	Industrial	Chemtech (PETROBRAS)

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
FEED of a Propylene Separation unit (U-0070) for the Gabriel Passos Refinery – REGAP – MG, including Bases for the Following Equipment: Pumps, Towers, Pressure Vases, Exchangers, Spheres (Gas Storage), Warehouses for Compressors (Overhead Crane of 15 t., 10.00m x 16.00m x 13.4m high), Discharge Platform, Substations (3), Pipe Racks (3). Paving, Drainage, Towers and Metallic Bridges. On the Executive Part: Detailed Design of Deep Foundations, Embankment and Small Bridges (*Pontilhões*).	Minas Gerais State	Industrial	Chemtech (PETROBRAS)
FEED of a Pilot Unit of Oil Primary processing, for the Atalaia Pole in Sergipe State, including Bases for the following equipment: Pumps, Tanks, Vases, Boiler, UTA, UIQ, Production Separator, Atmospheric Separator and Strain, Oil Treatment and Drainage; on the Executive Part: Deep Foundations	Sergipe State	Industrial	Chemtech (PETROBRAS)
Civil Engineering Executive Design of the LPG System of the Guanabara Bay in the city of Rio de Janeiro, including: Embankment, Paving, Small Bridge, Pipelines Bases, Manifold Metallic Platform, Substation Expansion, Pig. Receiver, Fences and Drainage	Rio de Janeiro State	Industrial	Chemtech (PETROBRAS)
Automation System of the Supply Stations of the Vale do Rio Doce Company. Civil Engineering Design, comprehending the Supply Stations of diesel on the Vale do Rio Doce Company Railway, starting point in São Luiz, Maranhao State, final point in Carajás, Pará State.		Industrial	Chemtech (VALE Mining Company)
Foundations Design for the Continuous Galvanizing Line no. 3 and Raw Material Yard of Blast Furnaces no. 01 and 02 related to the Expansion Plan – Stage III 0 of the Brazilian Steel-Maker Company (CSN)	Rio de Janeiro State	Industrial	CWORKPI
Civil Works Detailing of Group III: Blowers and Powerhouses, Energy Distribution, Utilities Center, Gasometers and Gas Blowers.	Espírito Santo State	Industrial	CST (Tubarão city Steel Mill)
Topographic Inspection, Supervision and Control, besides the implementation of landmarks, on the area of the Timbopeba Project in the city of Ouro Preto.	Minas Gerais State	Industrial	VALE DO RIO DOCE Mining Company
Expansion Studies of the Steel Making Capacity of the Barra Mansa Steel Mill (Companhia Siderúrgica Barra Mansa), and Comparative Study of the Steel Making Expansion of the Dedini de Piracicaba Steel Mill (Siderúrgica Dedini de Piracicaba – CSBM).	Rio de Janeiro State	Industrial	DEDINI Base Industries
Master Plan of the Piranhas – Açu Fishing Complex, including executive designs of industrial infra-structure and of the pisciculture station, and plans of fishermen settling, as well as fish fattening aquariums.	Rio Grande do Norte State	Industrial	DNOCS
Pre-viability Study and preliminary designs for the São Franciso River Water Transposition for the Semi-Arid Region of the Brazilian North-Eastern Region.	Various States	Industrial	DNOCS
Expansion, Reform and Improvement Project at the ETT/ETD Aparecida	São Paulo State	Industrial	ELETROPAULO / EPTE – São Paulo State Electricity Company
Final Engineering Design of the Carapeba II Platform's Truss, including in situ and installation analyses, as well as technical assistance for the phases of manufacturing and assembly.	Rio de Janeiro State	Industrial	MENDES JÚNIOR Engineering

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Technical-Economic Viability Study for the Transference of the Bulks Transshipment Terminal	Goiás State	Industrial	Goiás State Industry and Commerce Secretary
Economic Viability Design of Chestnut Processing.	Mato Grosso State	Industrial	SICT
Economical Viability Design of Wood Processing.	Mato Grosso State	Industrial	SICT
Diagnosis of the Mineral Sector of Juruena and Aripuanã Poles of Polamazônia Pole.	Mato Grosso State	Industrial	SICT
Diagnosis of Industrial Opportunities, Through: Mapping of the State's Natural Resources, monographs about the market and investment opportunities 'profiles'	Mato Grosso State	Industrial	SICT
PUB – 15 Platform Installation Design, including embarkation, transportation, hoisting and docking designs.	Rio Grande do Norte State	Industrial	TECHINT
Executive Design of 7 Substations and 8 Buildings of Operational Control and Support for the Companhia Siderúrgica do Atlantico Steel Mill.	Rio de Janeiro State	Industrial	ThyssenKrupp CSA Siderúrgica do Atlântico Ltda.
Executive Design of the Metallic Truss of the Oil Production Offshore PEO – 1 Platform (Enchova Oeste)	Rio de Janeiro State	Industrial	ULTRATEC
Basic and Executive Design of the Castanhão Dam on the Jaguaribe River, 60m high, and ground massive volume of 8,000,000 m³.	Ceara State	Dam	DNOCS
Rendering of Specialized Technical Services of Architecture/Engineering Designs for the elaboration of a preliminary design of the Media and Olympic Villages.	Distrito Federal	Sports Complex	Brasília 2000 Olympic Committee
Rendering of Specialized Technical Services of Architecture Designs for the elaboration of a preliminary design of the facilities for competitions of table tennis, roaring and badminton.	Distrito Federal	Sports Complex	Brasília 2000 Olympic Committee
Assessment and Technical Consultancy of the Conclusion Works of Para State's Olympic Stadium (State Stadium Edgar Proença – "Mangueirão") in the city of Belem, Para State.	Para state	Sports Complex	Para State Infra-structure Secretary
Basic Designs of Sleep Slopes Side-hill Fills and Works Supervision for the Batches 1, 2, 3, 4, 5 and 7, including works of side-hill filling, drainage and urbanization.	Rio de Janeiro State	Side-hill filling	Petrópolis city Military Police
Final Engineering Designs of the contention works at the section located on km 280 and on the landfilling located on railroad mark km 295 and km 340 of the Steel Railway (Ferrovia do Aço).	Rio de Janeiro State/ Minas Gerais State	Side-hill filling	MRS LOGISTICS
Final Engineering Design of the Side-hill Fill Works at the section located on railroad mark km 117+250 of the Centro Line.	Rio de Janeiro State	Side-hill filling	MRS LOGISTICS
Elaboration of Side-hill Fill Designs in various points along the Linha Amarela Highway.	Rio de Janeiro State	Side-hill filling	LAMSA
Technological Control of Concrete and their components on viaducts and tunnels on Batches 14.1 and 14.4 of the Steel Railway (Ferrovia do Aço).	Rio de Janeiro State	Technological Control	MENDES JÚNIOR Engineering
Technological Control of Concrete and Steel on the Palmeiras Viaduct.	Rio de Janeiro State	Technological Control	SERGEN Engineering

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Technological Control of concrete and their composing materials at the Marapicu Reservoir, from Guandu Aqueduct.	Rio de Janeiro State	Technological Control	SERVENG/ CIVILSAN
Technological control of materials, through non-destructive essays, at the Carão Dam.	Rio de Janeiro State	Technological Control	ESTACAS FRANKI
Concrete Quality Control as well as of their composing materials at the Santo Antônio de Pádua Aqueduct.	Rio de Janeiro State	Technological Control	SERVENG/ CIVILSAN Engineering
Technological Control of Concrete and Steel at the Passo Severino Dam.	Uruguay	Technological Control	QUEIROZ GALVÃO Constructor
Technological Control of welded joints on the supporting structures at the Traction Air Net (Rede Aérea de Tração).	Rio de Janeiro State	Technological Control	RFFSA – Brazilian Railway Net
Technological Control of concrete and steel for reinforced concrete at the Parada de Lucas Viaduct.	Rio de Janeiro State	Technological Control	SERVENG/ CIVILSAN Engineering
Technological Control and steel at the Footbridge on the road mark km 18 of Brasil Avenue.	Rio de Janeiro State	Technological Control	SERVENG/ CIVILSAN Engineering
Technological Control of concrete and their composing materials, as well as of steel bars at the Rocinha Favela Footbridge.	Rio de Janeiro State	Technological Control	DER/RJ – Brazilian Roads Organ
Quality Control of the metallic bridge manufacture and assembly over the Remédios Road in the city of Recife.	Pernambuco State	Technological Control	CBTU (Brazilian Urban Trains System)/PE
Technological Control of concrete and their composing materials at the Nova Brasília Water Reservoir.	Rio de Janeiro State	Technological Control	SOMA ENGINEERING
Technological Control of concrete at the Bridge over the Pavuna Creek.	Rio de Janeiro State	Technological Control	PLANÍCIE CONSTRUCTOR
Technological Control of reinforced concrete and their composing materials on the Bridge over the Marapendi Lake.	Rio de Janeiro State	Technological Control	SERVENG/ CIVILSAN Engineering
Technological Control of concrete and their composing materials on the construction works of the Juturnaiba Dam – Concrete Volume of 30,000 m³.	Rio de Janeiro State	Technological Control	QUEIROZ GALVÃO Constructor
Technological Control of concrete and their composing materials, plus steel bars for reinforced concrete on the works of the viaduct over the Alfredo Bahiense Street, at the Niterói-Manilha Highway.	Rio de Janeiro State	Technological Control	QUEIROZ GALVÃO Constructor
Technological Control of cement grout for the injection of sheath of prestressed cables at the works of Batch 32 of the Rio de Janeiro Subway System (METRO/RJ)	Rio de Janeiro State	Technological Control	QUEIROZ GALVÃO Constructor
Technological Control of steel bars for reinforced concrete on the construction works of the Pedrinhas viaduct on the Niterói-Manilha Highway.	Rio de Janeiro State	Technological Control	QUEIROZ GALVÃO Constructor
Structural repairs, including metallic structure design on the Pedrinhas viaduct on the Niterói-Manilha Highway.	Rio de Janeiro State	Technological Control	QUEIROZ GALVÃO Constructor
Technological Control of Concrete on the Viaduct of B Street, on the Niterói-Manilha Road.	Rio de Janeiro State	Technological Control	SERVENG/ CIVILSAN Engineering
Technological Control of Concrete on the construction work of the São João de Meriti viaduct, in Rio de Janeiro State.	Rio de Janeiro State	Technological Control	QUEIROZ GALVÃO Constructor

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Technological Control of concrete, steel for reinforced and prestressed concrete and of injection grouts in prestressed cables on the construction of the headquarters building of the Nacional Insurance Company (Nacional Companhia de Seguros).	Rio de Janeiro State	Technological Control	MORRISON Constructor
Technical Follow-up of essays on the plants, inspection, receiving and quality control of the rubber fixations for the Steel Railway (Ferrovia do Aço).	Rio de Janeiro State	Technological Control	ENGEFER
Technological Control of concrete and their composing materials, steel, soils and paving for the construction works of the Latin America Memorial (Memorial da América Latina) and of the Barra Funda Intermodal Terminal of Sao Paulo Subway System (METRÔ/SP).	São Paulo State	Technological Control	MENDES JÚNIOR Engineering
Technical Inspection on the Special Civil Engineering works at the Joatinga Bridge and at the Mestre Manuel Viaduct on the RJ-071 Road, at the Sampaio Correa Viaduct on the RJ-087 Road, at the Bridge over the Sarapuí River on the RJ – 101 Road and at the Ataulfo Alves Viaduct on the BR-101 Road.	Rio de Janeiro State	Technological Control	DER/RJ - Brazilian Roads Organ (Rio de Janeiro State)
Technological Control of concrete and their composing materials, steel for reinforced and pre-stressed concrete and grout for the injection of sheaths of pre-stressed cables for the construction works of 10 CIEP Schools.	Rio de Janeiro State	Technological Control	MENDES JÚNIOR Engineering
Supervision of Execution and Quality Control of the Recovery Works and Structural Reinforcement of the Bandeirantes Avenue (Joa Avenue) excerpt Pepino Tunnel – Joa Tunnel.	Rio de Janeiro State	Technological Control	DER/RJ - Brazilian Roads Organ (Rio de Janeiro State)
Monitoring and Settling Control of the Rio de Janeiro State Procuradoria and of Unibanco Bank Ltd Buildings.	Rio de Janeiro State	Technological Control	Santa Celina
Technical Assessment to the Management and Quality Control of the Implementation Works of Infra-structure of the Rio de Janeiro Teleport, in an area of 250,000m².	Rio de Janeiro State	Technological Control	RIOURBE Urbanization Company
Support to the Technological Control of concrete, on the work of underground passage under the Alfredo Agache Avenue, on Praça XV Square.	Rio de Janeiro State	Technological Control	QUEIROZ GALVÃO Constructor
Supervision and Control of the Engineering Works, seeking the Improvement and Paving – Batch 01, BA-001 Highway.	Bahia State	Technological Control	DERBA – Bahia State Transportation Infra-structure Department
Technical Support Services to the O/DPVE/CGP Special Ways Design Department/ Design General Coordination (Departamento de Design de Vias Especiais/ Coordenadoria Geral de Designs) for the elaboration of structural and recovery designs on the AP.2 areas.	Rio de Janeiro State	Technological Control	SMOSP – Municipal Secretary of Works and Public Services
Inspection on the Revetments of Linha Amarela Highway Tunnels.	Rio de Janeiro State	Technological Control	LAMSA
Technical Design Services, (Civil and Electro-Mechanical) Topography, Laboratories, Quality Control (Supervision) of Civil Works in charge of the Works Management of Porto Primavera.	São Paulo State	Technological Control	CESP – São Paulo State Electricity Company
Technical Follow-up Services of the Carapicuiba Trunk Manifold Works at the TO-15 Basin, part of the RMSP Sanitary Sewage System.	São Paulo State	Technological Control / Sewage System	SABESP – São Paulo State Sanitation Company

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Management of the Works Execution of COWAN Building's Construction.	Minas Gerais State	Electrical	COWAN Constructor
Elaboration of the Complete Executive Design of the Santana Division.	São Paulo State	Electrical	ELETROPAULO- São Paulo State Energy Distributor
Engineering Consultancy for the Expansion Design of 460kV Substation of Souza Dias Usine (Jupiá).	São Paulo State	Electrical	CESP – São Paulo State Electricity Company
Designs development, descriptive memorials, technical specifications, sketch drawings, technical drawings and bills of quantities as well as unitary prices.	São Paulo State	Railway	ELETROPAULO- São Paulo State Energy Distributor
Rendering of Services of Architecture, Railway Engineering, Support and Related Issues to the Development of General Works at the Sao Paulo State Urban Transportation System (STU/SP).	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Executive Design and Civil and Electrical-Mechanic Works Supervision of the Railway Scales of RFFSA in Lafaiete.	Minas Gerais State	Railway	RFFSA – Brazilian Railway Net
Exchange of Support Devices at the bridge over the Pau Gigante River of road mark km 102 of EFVM Road.	Espírito Santo State	Railway	CVRD Mining Company
Final Engineering Design and Building Supervision of the Branch de Arara Railway Viaduct, over the Brasil Avenue, 1943m long.	Rio de Janeiro State	Railway	RFFSA – Brazilian Railway Net
Final Engineering and Technical Supervision Design of Construction Works of the Railway Connection between Ibirite and Aguas Claras, with a length of 21km.	Minas Gerais State	Railway	RFFSA – Brazilian Railway Net
Final Engineering and Technical Supervision Design of Construction Works of the Railway Connection between Japeri and Brisamar, with a length of 35km.	Rio de Janeiro State	Railway	RFFSA – Brazilian Railway Net
Final Engineering Design of the Railway Connection between Guarapuava and Cascavel, including Bridges and Tunnels, with a length of 240km.	Parana State	Railway	RFFSA – Brazilian Railway Net
Final Engineering Design and Supervision of the Recovery Works of the D. Tereza Cristina Railway, as well as Criciúma Branch-line Railway.	Santa Catarina State	Railway	ECEX
Expropriation Design, Final Engineering Design and Technical Supervision of the Special Civil Engineering Works of Batch no. 08 of the Steel Railway (Ferrovia do Aço) – Excerpt Itutinga – Volta Redonda.	Rio de Janeiro State	Railway	ENGEFER
Final Engineering Design and Technical-Administrative Supervision of the Construction of the Arara Railway Yard, with an area of approximately 150,000 m²	Rio de Janeiro State	Railway	ECEX
Supervision of the Infra-structure Implementation Works of the Excerpt between road marks km 82.11 and km 202.88 of the Carajas Railway, including coordination, planning, supervision, quality control, as well as of costs and programming – Batch 3.	Maranhao State	Railway	CVRD Mining Company
Services Execution of Soils Technological Control, prospecting, geotechnical essays, and technological control of concrete along the Vitoria-Minas and Connections Railway.	Espirito Santo State/ Minas Gerais State	Railway	CVRD Mining Company

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Instrumentation of the gaps in successive balances at the Steel Railway (Ferrovia do Aço) Viaduct, V - 08 - 12.	Rio de Janeiro State	Railway	MENDES JÚNIOR Engineering
Studies of Technical and Economical Viability of the Branch-line Railway of Mar Montain Range (Serra do Mar) between the cities of Japeri and Barra do Pirai.	Rio de Janeiro State	Railway	RFFSA – Brazilian Railway Net
Design of Rebuilding, Technical-Administrative Supervision of Works and Technical-Financing Auditing of the Railway Connection between the cities of Itapeva and Ponta Grossa, total length of 209km.	Parana State	Railway	RFFSA – Brazilian Railway Net
Final Engineering Design of the Railway connection between the cities of Belo Horizonte and São Paulo, Excerpt Itutinga - Volta Redonda – Batch 08.	Rio de Janeiro State	Railway	ENGEFER
Final Engineering Design and Technical Supervision of the Construction Works of the Railway Viaduct of Grota do Amaral, V - 08 - 12, 174.30m long, at Excerpt Itutinga - Volta Redonda, Steel Railway (Ferrovia do Aço).	Minas Gerais State	Railway	MENDES JÚNIOR Engineering
Supervision of the Embankment Services, Current Art Works and Special Art Works and Tunnels of Batch 14 of the Steel Railway (Ferrovia do Aço), Excerpt Itutinga - Volta Redonda.	Rio de Janeiro State	Railway	ENGEFER
Technical Follow-up of all services executed in a bridge of metallic structure, located at the Steel Railway (Ferrovia do Aço), including manufacturing and assembly.	Rio de Janeiro State	Railway	ENGEFER
Technical Follow-up of all services executed in a bridge of metallic structure, located at the Steel Railway (Ferrovia do Aço), including manufacturing and assembly.	Rio de Janeiro State	Railway	ENGEFER
Design and Supervision of the Sustainment Porticos Remodeling of the Air Traction Net on Excerpts D. Pedro II - Deodoro, Deodoro - Nova Iguaçu and Deodoro - Bangu on the Suburban Railway of Rio de Janeiro city.	Rio de Janeiro State	Railway	RFFSA – Brazilian Railway Net
Final Engineering Design of Capacity Expansion of the Centro Line, integrating part of the Rio de Janeiro State Railway Coordination (SR.3), Batch 01, located between railway marks km85+600m and km223+200m, 137.6km long, between the cities of Humberto Antunes and Afonso Arinos.	Minas Gerais State/ Rio de Janeiro State	Railway	RFFSA – Brazilian Railway Net
Supervision, Inspection and Technical Follow-up of the Construction Works of the Railway Branch of Access to Açominas, on the surroundings of Miguel Burnier, on the city of Ouro Preto.	Minas Gerais State	Railway	CVRD Mining Company
Technical-Economical Viability Studies for the Coal Flow on the region of Lauro Muller (Santa Catarina State), and those referring to the Coal Hallway (Corredor do Carvão), Rio Grande do Sul State.	Santa Catarina State/ Rio Grande do Sul State	Railway	ENGEFER
Complete Revision of the Design for the Adjustment of the Current Demand Requests, Elaboration of the Executive Design and Works Supervision of the excerpt Guarapuava – Goioxim, part of the Railway connection Guarapuava - Cascavel	Parana State	Railway	ENGEFER
Works Supervision, including Design Adaptation, Technological Control of Soils and Concrete, besides the follow-up of the experimental landfillings instrumentation, of Excerpt Guarapuava – Goioxim, part of the Railway Connection Guarapuava - Cascavel.	Parana State	Railway	ENGEFER

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Elaboration of Supervision Directives and Works Supervision of the Restoration Design of the Suburban Railway Lines of Sao Paulo State.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Elevation of the Railway Ramp on the Superstructure Region of two Railway Bridges over the Natividade Stream.	Minas Gerais State	Railway	CVRD Mining Company
Final Engineering Design for the recovery of the railway infra-structure of the excerpt Lauro Müller – Deodoro, equivalent to 22km of length.	Rio de Janeiro State	Railway	CBTU (Brazilian Urban Trains System)/RJ
Final Engineering Design of recovery of the Railway Excerpt located between the cities of Santo Amaro and Afligidos, on the Salvador Railway Coordination - SR - 7, with an length of 22km.	Bahia State	Railway	RFFSA – Brazilian Railway Net
Final Engineering Design for the recovery of the railway infra-structure of the excerpt Calmon Viana - Estudantes on the East Zone of São Paulo city, with a length of 13.6 km.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Engineering Consultancy, Designs and Excerpt Supervision between km 0 and 191 of the Steel Railway (Ferrovia do Aço), of the Sao Paulo Branch and Barbará and Pinheiral Yards.	Rio de Janeiro State/ Minas Gerais State	Railway	RFFSA – Brazilian Railway Net
Diagnosis and Solutions of the infra-structure problems of the Suburban railway lines of Rio de Janeiro city, with a length of 191 km.	Rio de Janeiro State	Railway	CBTU (Brazilian Urban Trains System)/RJ
Final Engineering Design for the recovery of the railway infra-structure of excerpt Engº Goulart - Engº Sebastião Gualberto, including embankment designs, as well as drainage ones, contention works, structural recovery and/or footbridges adequacy, small bridges paving and complementary works.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Supervision of the infra and super-structure works of the permanent way and fixed installations – stations, platforms, footbridges, bridges and special civil engineering works, along the 180km of the São Paulo Suburban Lines.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Engineering services referring to the Executive Design of the Infra-structure works of the Norte-Sul Railway, excerpt between railway marks km 335.058 and km 381.406	Maranhao State	Railway	VALEC Engineering Building and Railways
Technical Supervision of the Recovery Works of Railway Infra-structure of the Excerpt Engenho de Dentro – Madureira.	Rio de Janeiro State	Railway	CBTU (Brazilian Urban Trains System)/RJ
Railway Engineering Services related to the Support and Similar to the Development of infra-structure designs on the excerpt between the Stations of Santo Andre and Sao Caetano do Sul – Line Santos – Jundiai.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Management and Inspection of the Recovery Works of Infra-structure, Lane Closing and Footbridges Construction of the Excerpt Calmon Viana – Estudantes, with an length of 13.6km.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Executive Design of the Metallic Floor Beams Use at the Vitoria – Minas Railway.	Rio de Janeiro State	Railway	Brazilian Steel-Maker Company (CSN)
Architecture and Railway Engineering Services, Support and Similar for the Development of Final Engineering and Architecture Designs of the New Stations of Mauá, Ipiranga, Mooca and Água Branca, of the São Paulo Suburban Lines.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Management and Inspection of the Railway Infra-structure Works, Lane Closure, and Footbridge at the Luz – Pirituba excerpts, as well as Itaquera - Artur Alvim, Engº Manuel Feio - São Miguel Paulista and São Miguel Paulista - Engº Goulart, with a total length of 121,250m.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Technical-Economic-Financial Viability Studies of the Norte do Espirito Santo Railway.	Espirito Santo State/ Bahia State	Railway	ARACRUZ CELULOSE- Bleached Eucalyptus Pulp Production Company
Pre-viability studies of the Railway Connection between the cities of Pirapora and Unai on the Northeast of the Minas Gerais State.	Minas Gerais State	Railway	CVRD Mining Company
Technical-Economical Viability Study for the Implementation of a Railway Excerpt between Pirapora and Planaltina, resulting of the economical-financial advantages of extending until Brasilia the Pirapora-Unai Railway Branch at pre-viability levels.	Distrito Federal	Railway	CVRD Mining Company
Technical and Economical Viability Study for the implementation of a railway excerpt between Pirapora and Formosa (Goias State city), result of consultancy engineering services related to the study re-evaluation about the Railway Excerpt Pirapora - Unaí – Planaltina.	Goias State	Railway	CVRD Mining Company
Complete Reform Design of the Railway Stations of Deodoro, Bonsucesso, Benjamim do Monte, Japeri, Olaria, Santa Cruz, Parada de Lucas, Engenheiro Pedreira, D.Pedro II and Quintino Bocaiúva of the Urban Trains - Rio de Janeiro State Railway Coordination.	Rio de Janeiro State	Railway	CBTU (Brazilian Urban Trains System)/RJ
Technical Supervision of the Reform Works at the Stations of the Sao Paulo Urban Trains System – Santos-Jundiai Hallway, CBTU Urban Trains Decentralization Program – CBTU/BIRD Design.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Technical Supervision of the Infra-structure Works at the Permanent Village of the Sao Paulo Urban Trains System, Excerpt: Engº Goulart - Engº Sebastião Gualberto, from railway marks km490+600 to km497+310 and of the footbridges construction on kms 493 + 666 and km494 + 066, of the Variante Line - CBTU Urban Trains Decentralization Program – CBTU/BIRD Design.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Technical-Economic Pre-Viability Studies for the Implementation of Railway Connections, as extension of the Pirapora-Unai railway connection, with a total length of 848km.	Goiás State/Minas Gerais State	Railway	CVRD Mining Company
Technical Reform Supervision of the Leste Stations Trunk Hallway and Branch-line of the Sao Paulo Urban Trains System - CBTU Urban Trains Decentralization Program – CBTU/BIRD Design.	São Paulo State	Railway	CBTU (Brazilian Urban Trains System)/SP
Elaboration of Final Engineering Designs referring to the contention of sections works located at KM 572+652 of the Centro Line and KM 238+300 of the Steel Railway (Ferrovia do Aço).	Rio de Janeiro State	Railway	MRS LOGISTICS
Civil Works Supervision of the Sul Design, comprehending Batches 1, 2 - A, 2, 3 and 4 of the Capão Redondo/Largo Treze Connection, executed in Elevated Roadway and on Surface, Capão Redondo Yard, Stations Capão Redondo, Campo Limpo, Vila das Belezas and Giovanni Gronchi.	São Paulo State	Railway	CPTM – São Paulo State Metropolitan Trains Company

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Basic Design of Re-adaptation of 39 CPTM Stations.	São Paulo State	Railway	CPTM
Final Engineering Design – Adaptation of 12 Railway Stations of São Paulo Suburbs.	São Paulo State	Management	CPTM/ENCIBRA
Supply of Goods and Execution of Management Services of the Sao Paulo State Transportation Program – PET – 22, including: Management and Supervision/Inspection of services, works and supplies.	Rio de Janeiro State	Management / Technological Control	CENTRAL
Management/Inspection/Planning and Inspection of Quality Control of Control and Assembly of Gas Pipelines Designs.	Bahia State	Management / Geotechnical	BAHIAGÁS – Bahia State Gas Company
Geo-technical infra-structure Design and Management of the Guggenheim Museum in Rio de Janeiro.	Rio de Janeiro State	Hydraulic	RIOURBE Urbanization Company
Reformulation Study of the Castanhão Dam Design, at a layout level.	Ceara State	Hydraulic	ANDRADE GUTIERREZ Constructor
Executive Design of the new structural concept Aqueducts 4 and 6 and Land fillings 2, 3 and 5, referring to the Área Sul Spit Design, in Petrolina.	Pernambuco State	Waterway	EMSA
Basic Design and Bill of Quantities for the floating guide wall in prestressed concrete to be implemented upstream the locks of the Mário Lopes Leão (Promissão) Hydroelectric Dam.	São Paulo State	Waterway	CESP – São Paulo State Electricity Company
Elaboration of Executive Design and Technical Follow-up of the floating guide wall in concrete for the Lock of the Mário Lopes Leão (Promissão) Hydroelectric Dam.	São Paulo State	Irrigation	CESP – São Paulo State Electricity Company
Planning of Various Development Levels of the Pisciculture in the Irrigation System of DNOCS – Brazilian Department of Works Against the Dry Condition in the Northeastern Region.	Ceara State	Irrigation	DNOCS
Technical-Economical-Financing Viability Study and Basic Design of the Irrigation Perimeter of the Brumado River Valley, with an area of 5,150ha.	Bahia State	Irrigation	DNOCS
Evaluation of the Economic and Social Repercussions, Investments Cost Study and Analysis of the Patrimony Assets, Actuation General Politics Study, Water Taxing at the Irrigated Perimeters, Evaluation of Agricultural Potentials, Re-planning of the Irrigation System, besides the Technical-Economical-Financing Study, Basic Design and Executive Design Reformulation of the Brumado River Valley Irrigation.	Various States	Irrigation	DNOCS
Evaluation of the Economic and Social Results of the Irrigation Designs; Analysis of Investment Costs and Patrimony Assets Evaluation; Studies and Proposition for the Taxing Calculation of Water Use; Revision of the "DNOCS General Actuation Politics Study".	Various States	Irrigation	DNOCS
Detailed Designs of Architecture, Structure, External Urbanization and Installations (Electric, Hydraulic, Sanitary, Telephone System, Drainage and Fire Fighting) of 9 factory offices and of the Tubarão Steel Mill Central Control Building.	Espírito Santo State	Irrigation	CST – Tubarão city Steel Mill Company
Reformulation of the Executive Design of Irrigation of Brumado, Basic Irrigation Design of the Brumado River Valley and Re-planning of the DNOCS Irrigation System.	Bahia State	Irrigation	DNOCS

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Texts forwarded to MINTER regarding the First Brazilian Irrigation Plan.	Ceara State	Irrigation	DNOCS
Perspective of Integration of Pisciculture of Interior Waters to the Productive Organization of Irrigated Perimeters.	Ceara State	Irrigation	DNOCS
Urban development plan of the city of Livramento (Covenant with DNOCS).	Bahia State	Irrigation	DNOCS
Engineering Design of the Bunks Transshipment Yard, located close to the Intermediate Yard of the Açominas Branch.	Minas Gerais State	Irrigation	CVRD Mining Company
Basic Design for the Hydro-Agriculture improvement of a 7,800ha area at the Parana River Valley – Santa Maria Block.	Goiás State	Irrigation	PRODIAT – Araguaia and Tocantins Rivers Development Program
Elaboration of a Pilot Design of Irrigation at the Apodi Lowland, with an area of 1000ha.	Ceara State	Irrigation	DNOS – Brazilian Department of Works and Sanitation
Studies of Alternatives, Preliminary Designs and Technical-Economical Viability Studies for the Jaguaribe – Apodi Design, with a total area of 75,000ha, at the Apodi Lowland, Ceara State – Guarantee of Design in Execution.	Ceara State	Irrigation	DNOS/DNOCS
Reinstatement and Modernization Design of the Irrigated Perimeters of Maniçoba and Curaçá cities.	Bahia State	Irrigation	CODEVASF _ Parnaíba and São Francisco Valleys Development Company
Executive Design of Hydro-Agriculture Improvement of a 4,000ha area at the Apodi Lowland.	Ceara State	Irrigation	DNOS
Services Execution of Technical Assistance and Electro-Mechanic and Civil Works Supervision referring to the Hydro-Agriculture Improvement Jaguaribe - Apodi, 1,750ha large.	Ceara State	Irrigation	DNOS/SENIR
Technical Services of Civil Works Execution Supervision, Purchase and Assembly of Hydro-mechanical and Electrical Equipment, Technical Assistance and Complementary Technological Services Execution of a 2,500ha Stage of the Jaguaribe – Apodi Hydro-Agriculture Improvement, located at the Apodi Lowland, in the city of Limoeiro do Norte.	Ceara State	Irrigation	SRH – Ceara State Hydric Resources
Technical-Social-Economical Viability Study also identified as Irrigation Integrated Development Plans of the region of the Special Design and Colonization of the Ramalho Saw – PEC.	Bahia State	Irrigation	CODEVASF
Management, Inspection, Works Supervision, Planning and Control of Civil Works, Equipment Inspection, drawings Analysis and Manufacturing, Assembly Supervision and Hydro-mechanical and Electro-mechanical Equipment Testing, referring to the Hydro-agriculture Improvement of an area of 1,143 ha – Pilot Design Jaguaribe – Apodi, located in the city of Limoeiro do Norte.	Ceara State	Irrigation	SENIR
Elaboration of Pre-viability Studies (50,000ha) and Social-Economical Viability (14,000ha) and Basic Design of the Pilot Plan with 4,100ha of the Pontal Design, located in the cities of Afrânio, Santa Maria da Boa Vista and Petrolina	Pernambuco State	Irrigation	CODEVASF

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Technical Services of Executive Design Elaboration of the Works referring to the Pontal – Area Sul Design, with an agriculture useful surface of 3,512ha, located in the city of Petrolina.	Pernambuco State	Irrigation	CODEVASF
Adjustment of the Basic Design and Elaboration of the Executive Design of the Pontal - Área Norte Design, with an agriculture useful surface of 4,129 ha, located in the city of Petrolina, Pernambuco State.	Pernambuco State	Irrigation	CODEVASF
Execution of Sustainable Hydro agriculture Development Programs of the Mato Grosso State North Region (PRONOR - MT) as well as of the Parecis Lowland Region (PROPARECIS - MT).	Mato Grosso State	Irrigation	SAAF/MT
Basic Design Update, Viability of Environmental Studies, Complementation of the Executive Design and Support to the Supervision and Monitoring of the Works in an Area of 13.78 square miles SAU, located in the Marituba Design, in Penedo City.	Alagoas State	Irrigation	CODEVASF
Final Engineering Design of the Largo da Carioca Subway Station, with a constructed area of 18,500 m².	Rio de Janeiro State	Subway	METRÔ/RJ - Rio de Janeiro State Subway Company
Final Engineering Design and Technical Supervision of the Pre-Subway (PM – 1), excerpt of the Connection Maria da Graça – Pavuna, part of Linha Verde Line.	Rio de Janeiro State	Subway	METRÔ/RJ
Design Execution and Technical Assistance to Stations, Viaducts and Public Network Remodeling Works, in the excerpt Maria da Graça – Pavuna of Rio de Janeiro's Pre-Subway.	Rio de Janeiro State	Subway	METRÔ/RJ
Conception, Studies and Final Engineering Designs (Phase B), Technical Aid to Works (Phase C) to the Establishment of the Public Subway System in the excerpts of Maria da Graça, Del Castilho, Inhaúma, Engenho da Rainha, Tomás Coelho, Vicente de Carvalho, Irajá, Colégio, Coelho Neto, Fazenda Botafogo, Acari and Pavuna.	Rio de Janeiro State	Subway	METRÔ/RJ
Complete Architectonic and Structural Basic Design of São Paulo's Subway Station, Vila Madalena – Vila Prudente Line.	São Paulo State	Subway	METRÔ/SP – São Paulo State Subway Company
Architecture and Engineering Services to the Basic Design's Viability, Elaboration of the Executive Design and Technical Aid to Vila Alpine's Station of São Paulo's Subway, Madalena - Vila Prudente Line.	São Paulo State	Subway	METRÔ/SP
Civil Engineering and Architecture Services to the Basic Design's Execution of the sub-region Ferreira – Morumbi, located between Ferreira (included) and Morumbi (included) Stations of the Oriente – Ferreira Line of São Paulo's Subway. Total Area, including depots: 29,868m².	São Paulo State	Subway	METRÔ/SP
Viability Study, Basic Design and Concession Modeling to the Private Enterprise of the Feeder Trunk Rail System, connecting Rio de Janeiro/ Niterói/São Gonçalo and Itaboraí.	Rio de Janeiro State	Subway	SECTRAN/RJ – Rio de Janeiro Transportation Secretary
Engineering and Architecture Basic Design's Viability between Morumbi (included) Station and the Patio Vila Sônia (not included) – Batch 8, of the excerpt Luz – Morumbi with Patio Vila Sônia of the Amarela 4 Linha Line of São Paulo's Subway.	São Paulo State	Subway	METRÔ/SP

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Basic Design for the Construction of a Rail Transport System, connecting the neighborhood of Barra da Tijuca to the Santos Dumont and the International Airports, as well as the two airports together.	Rio de Janeiro State	Subway	SMTR – Rio de Janeiro Transportation Secretary
Executive Design, Faria Lima Station – Line 4 of São Paulo's Subway System.	São Paulo State	Subway	CVA
Executive Design, Paulista Station – Line 4 of São Paulo's Subway System.	São Paulo State	Subway	CVA
Ponta Grossa's Industrial District's Infra-Structure Plan and Design.	Parana State	Urban Planning	Ponta Grossa city Military Police
Final Engineering Design of Volta Redonda city Road Complex.	Rio de Janeiro State	Urban Planning	Volta Redonda city Military Police
Boa Vista City's Urban Expansion Plan and Urban Structure Design of the Bonfim, Surumu, Normandia e Pacaraima Urban Centers, and Infra-structure Designs (area of 2,000ha).	Roraima State	Urban Planning	Public Works Secretary
Elaboration of the State Industrial Development and Urban Infra-Structure Programs, based on an agreement with the Ministry of Industry and Commerce.	Espírito Santo State	Urban Planning	IDEIES – Espírito Santo Industrial Development Institute
BR – 163 Mato Grosso State Road region's consolidation Directive Plan and Economic Development.	Mato Grosso State	Urban Planning	SUDECO
Technical Services to Public Highway's Designs of the People's Improvement Plan (Plano Popular de Melhoramento – PPM) of the city of São Paulo, involving topographic surveys, geotechnical services and hydraulic and paving designs.	São Paulo State	Urban Planning	EMURB – São Paulo Urbanization
Economic Viability Analysis and Investment Advice with international financing Offices to Tocantins State Development Plan.	Tocantins State	Urban Planning	SEVOP-TO – Tocantins State Roads and Public Works Secretary
Design of the Wall for Sleep Slope Land Fill at the Pombeba Isle.	Rio de Janeiro State	Harbor	CDRJ – Rio de Janeiro city Docks Company
Elaboration and Development of Designs to Recife city Harbor Improvement and Expansion. Pre-Design and Final Engineering Designs.	Pernambuco State	Harbor	PORTOBRÁS – Brazilian Harbors Company
Pier number 2 Structural Pre-Design for the enlargement of Ponta da Madeira's Ore Final Depot.	Maranhao State	Harbor	IESA Industries
Basic Design, Technical Specifications and Enlargement Budget of the Brazilian United Mining Companies (Minerações Brasileiras Reunidas – MBR) Final Depot's pier, located in the Sepetiba Bay, with 260m of length in prestressed concrete pre-cast piles, with 60m of length and usage of precasts in the superstructure.	Rio de Janeiro State	Harbour	IESA/MBR
Design and Management of Othon Palace Hotel's construction works.	Rio de Janeiro State	Building	OTHON Place Hotel Rio de Janeiro
Foundations, infra-structure and superstructure Detailed Final Design of the "Centro Empresarial Cidade Nova" Building.	Rio de Janeiro State	Building	CVRD/VALIA
Aid to the CBPO Engineering Company at the bid of works technical proposal elaboration, for the construction of CIACS (Large Scale Schools) in Rio de Janeiro State.	Rio de Janeiro State	Building	CBPO Engineering Company

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Foundations and Adjustments Technical Supervision of the Structural Design of "Centro Empresarial Cidade Nova" Building's construction.	Rio de Janeiro State	Building	VALIA
Structural Designs Elaboration Services of several building works.	Various States	Building	LOJAS AMERICANAS Department Store
LINHA AMARELA S.A. Highway Administration and Control Building Enlargement Executive Design, adding a new floor to the existing one, filling a total area of 546.9m².	Rio de Janeiro State	Building	LAMSA
Executive Design of Ipiranga, Penha, Taboão da Serra and Pirituba Agencies, located in São Paulo State, including construction designs, recovery and adaptation, architecture, structure, hydraulic installations, electrical and air conditioning executive designs.	São Paulo State	Building	ELETROPAULO- São Paulo State Energy Distributor
Structure and Foundation Design of Pedro II School's Building, located in Engenho Novo neighborhood.	Rio de Janeiro State	Building	SENGE S.A.
Executive Design of the Military Police's Office – Jacarezinho Office Design.	Rio de Janeiro State	Building	General Electric
Performing of Civil Engineering Services.	Rio de Janeiro State	Building	LIGHT Electrical Power
Epoxy Resins Injection into the Bandeiras Avenue Concrete Structure Crackings.	Rio de Janeiro State	Building	JATOCRET
Instrumentation Plan and Structural and Measurements Design with load testing views, including the load test itself in the Pedrinhas Viaduct at the Niterói – Manilha Road.	Rio de Janeiro State	Structural Recovery	QUEIROZ GALVÃO Constructor
Aid Technical Services to O/DGPR to the Elaboration and Analysis of Recovering Structural Designs in the areas of AP - 2 and AP – 3.	Rio de Janeiro State	Structural Recovery	PCRJ/SMOSP
Paraná River Road/Railroad Bridge Basic Design and their Road and Railroad Entrances, downstream of Jupiá Dam, on the Border of São Paulo and Mato Grosso do Sul States, with a total length of 1,069 meters.	São Paulo State	Structural Recovery	CESP – São Paulo State Energy Company
Engineering Design for the Recovering of BR – 020/Bahia State Road, excerpt on the border of Goias State/Bahia State Barreiras city, subexcerpt between road marks km 210 and km 255, including topographic, geotechnical, hydrological and traffic studies, geometric, drainage, signalizing, fences, defenses designs and complementary works, as well as the pavement recovering design.	Bahia State	Roadworks and Railroad works	DNER – Brazilian Rods Organ
Technical and Economic Viability Studies of the Strategic Pre-investments Program of the Southern Region Transportation Department and their inclusion in the region's social and economic base.	PR State	Roadworks	SUDESUL
Technical and Economic Studies and Final Engineering design of "Las Residentas" Road – Excerpt Tacuara – Saltos Del Guairá (177 km).	Paraguay	Roadworks	Paraguay's Ministry of Public Works and Communications
Performing of Structural Recovering Services in the Faria Timbó River Bridge.	Rio de Janeiro State	Roadworks	ESUSA

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Technological Control of the materials which constitute the reinforced concrete in São Conrado footbridge.	Rio de Janeiro State	Roadworks	ESUSA
Technological Control of the material used to the asphaltic recovering of the Automóvel Club Avenue.	Rio de Janeiro State	Roadworks	AVELPA Constructor
Design and Supervision of the Construction of Belém – Mosqueiro Bridge across the Tauriaé River, 1,484m long, built on prestressed concrete precast beams.	Para State	Roadworks	DER/PA – Para State Roads Organ
Complete Executive Design and Supervision of the Construction of Rio-Niterói Bridge, with a total length of 13,290m, including the soil technological control, steel and concrete and load tests.	Rio de Janeiro State	Roadworks	ECEX
Salvador's Road Complex Final Engineering Design, including the calculation Design of 13 viaducts and all the other needed studies.	Bahia State	Roadworks	SURCAP
Design Revision and Supervision of the Construction of the Elevated Ways on the Perimetral Avenue, with a length of approximately 7 km.	Rio de Janeiro State	Roadworks	DNER - Brazilian Roads Organ
Designs and Supervision of the Construction of the Heitor Leite Franco Highway Viaduct and the Castelo Branco Avenue, located in the city of Volta Redonda.	Rio de Janeiro State	Roadworks	Volta Redonda city Military Police
Consulting and Assessment to the Brazilian Highways Department (DNER), under the supervision of the Federal Roadworks Concession Program, to the elaboration of the President Costa e Silva (Rio – Niterói) Bridge exploitation technical Plan, through concession to the Private Enterprise.	Rio de Janeiro State	Roadworks	DNER - Brazilian Roads Organ
Technical and Economic Viability Studies of the Road Connection Ilha – Santos Continente, underwater excerpt, including alternative studies on cable-stayed bridge across the navigation canals.	São Paulo State	Roadworks	COSIPA – São Paulo Steel Mill Company
Recovering Design of the BR-116 Road Paving, excerpt Rio do Anjico – Serrinha.	BA State	Roadworks	DNER/BA – Bahia State Roads Organ
Technological Control of the concrete and the reinforced concrete steel bars in the bridge across Marapendi Canal.	Rio de Janeiro State	Roadworks	SERVENG/ CIVILSAN
Technical Viability Study for the 1st and the 2nd Road Connection between Belém and Marabá, across Cumbu Isle, with an approximate length of 2,500 m.	Para State	Roadworks	DER/PA – Para State Roads Organ
Technological Control of the concrete and the welded joints of Perimetral Avenue.	Rio de Janeiro State	Roadworks	DER/RJ – Rio de Janeiro State Roads Organ
Paranaguá – Pontal do Sul's Road Final Engineering Design, with a length of 22km.	Parana State	Roadworks	Paranaguá city Military Police
Design of Guamá River Bridge, on the PA – 82 Road.	Parana State	Roadworks	DER/PA – Para State Roads Organ
Supervision of the Construction of the Access Handles of the Castelo Branco Avenue, located in Volta Redonda.	Rio de Janeiro State	Roadworks	Volta Redonda city Military Police
Engineering Design of the cable-stayed bridge over the Paranaíba River, located in Porto Alencastro, on the BR – 497 - MT Road, with 662m of length and 350m of central lanes.	Mato Grosso State	Roadworks	DNER - Brazilian Roads Organ

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Technical Inspection of the Rio – Niterói bridge, including inspection of foundations, columns and girders, support devices and joints, with a length superior to 10 km.	Rio de Janeiro State	Roadworks	ECEX
Inspection, Maintaining and Recovering Design of the Presidente Costa e Silva (Rio – Niterói) Bridge.	Rio de Janeiro State	Roadworks	DNER - Brazilian Roads Organ
Preliminary Studies, Preliminary Drawings and Final Engineering Design of Covanca Tunnel between the neighbourhoods of Jacarepaguá and Encantado, with a length of 2,328m, and its accesses of 1,716m, on the RJ – 87 Road.	Rio de Janeiro State	Roadworks	DER/RJ – Rio de Janeiro State Roads Organ
Coordination, Supervision and Inspection of the road works on the BR – 324/Bahia State Road, excerpt km 35.7 – Feira de Santana, subexcerpt km 92 + 720 to the km 107 + 5405 – Batch 4A, including revision, detailing and modifications proposition in the Final Engineering Design.	Bahia State	Roadworks	DNER - Brazilian Roads Organ
Supervision of the Works on the BR – 324/Bahia State Road, excerpt km 35.7 – Feira de Santana, sub-excerpt km 67 + 000 to the km 92 + 720 – Batch 3A, including revision, detailing and modifications proposition in the Final Engineering Design.	Bahia State	Roadworks	DNER - Brazilian Roads Organ
Studies, Designs and Supervision of the works of the Vitória – Minas railroad inferior Passage, on the km 324 + 250, in the Minas Gerais Avenue, located in the city of Governador Valadares, including technical and economic viability studies, pre-design and geometric, structural, urban development, drainage and electric installation executive designs.	Minas Gerais State	Roadworks	CVRD Mining Company
Geometrical, Topographic and Material Follow-up of the jurisdiction works of the 9th Regional Division on the neighbour Roadworks: Uchôa - Bairro Pingadouro; Bálsamo - Mirassolândia; Santa Rita - Santa Albertina; Populina - Rio Grande; Cosmorama - Escriboni; Palmares Paulista - Pompeu e Estrela d'Oeste - Fátima Paulista.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Revision of the Final Engineering Design of the bridge across the Piraquê – Açu River, with a length of 256.90m.	Espírito Santo State	Roadworks	QUEIROZ GALVÃO Constructor
Pardo River bridge recovering and reinforcement services.	Bahia State	Roadworks	DNER - Brazilian Roads Organ
Geometric, Topographic, Technological Control and Material Follow-up for the jurisdiction works of the 9th Regional Division on the neighbor Roadworks: Uchôa - Tabapuã, Bairro Formoso's Access to SP - 304 in Novo Horizonte; Embaúba - Paraíso; São José do Rio Preto (BR - 153) - Vila Azul; Tanabi - Ibiporanga e Acesso de Junqueira à União Paulista - Poloni with 61.9km of length.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Designs of Basic and Executive Engineering to the operational improvement of the Santa Bárbara Tunnel and Weight bearing System of the 138kV Net between the Frei Caneca – Baependi and Frei Caneca – Farani Stations.	Rio de Janeiro State	Roadworks	LIGHT Rio de Janeiro city Electricity Distributor
Supervision of the execution, technical assessment, support to the assembly at the electro-mechanic installation and the executive design of the Civil Works to the operational improvement of the Santa Bárbara Tunnel and the 138kV Net's substations connecting system, between the Frei Caneca – Baependi and Frei Caneca – Farani Stations.	Rio de Janeiro State	Roadworks	LIGHT Rio de Janeiro city Electricity Distributor

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Supervision and Inspection Services of the Implantation and Paving works of the excerpts Aragominas – Pontão, Colinas de Goiás – Bolkino Ferreira Bridge, Pedro Afonso – MA Border and Novo Horizonte – Araguanã.	Tocantins State	Roadworks	Tocantins State Government
Supervision and Inspection Services of implementation and primary covering of the TO – 355 Road, in the excerpt Colinas/Palmeirante, with a length of 75km.	Tocantins State	Roadworks	SINFRA-TO
Supervision and Inspection of ground level and primary covering works of the TO – 226 Road, excerpt Nova Olinda/Palmeirante.	Tocantins State	Roadworks	SINFRA-TO
Execution of Inspection and Management Services of the implantation and asphaltic paving works on the TO – 164 Road (former TO – 386 Road), at the excerpt Araguanã – Ximbioá, with total length of 24.08km, and Novo Horizonte – Araguanã, subexcerpt Novo Horizonte – Carmolândia and Carmolândia – Araguanã, with total length of 53km.	Tocantins State	Roadworks	SETO/TO
Execution of Surveillance and Management Services of Implementation and Asphaltic Paving Works on the TO – 164 Road (former TO – 386 Road), excerpt Novo Horizonte/Araguanã, subexcerpt Novo Horizonte – Carmolândia and Carmolândia – Araguanã, with total length of 53km.	Tocantins State	Roadworks	SETO/TO
Geometrical, Topographic, and Technological Control Follow-up: Mirassol - Ruilândia - BR – 153 Road; SP - 425 - Santa Luzia - Ubarama - BR – 153 Road; Itajobi - Vila Roberto; Adolfo - Atracadouro; Urupês - Marapoama; SP – 304 Road - Novo Horizonte; SP - 461 Road – Bairro Portugueses and Sales Jardim Beira Rio.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Geometrical Topographic Follow-up of Material and Technological Controls of the Works and Services of Implementation and Paving of the 2nd course of the SP – 300 Road, excerpt between the road mark 543 +640m and km 570+120m, including junction and return device, under the jurisdiction of Araçatuba city Regional Division.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Technical Supervision e Quality Control of the construction of Urban Highways on the State of São Paulo, in pact with various city halls.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Coordination, Supervision and Control of the Restoration Works of BR - 020/Bahia State Road sub-extension of road Mark km 210 + 000 to km 255 + 000, Batch 6, including sample verification of the geometric and technological controls executed by the contractor and execution of soils and materials essay.	Bahia State	Roadworks	DNER - Brazilian Roads Organ
Monitoring of the Manufacturing and Assembly of the Steel Structures of Linha Vermelha Road Batch 1.	Rio de Janeiro State	Roadworks	ANDRADE GUTIERREZ Constructor
Complete executive design; Construction works supervision; Technical Assessment to the construction works supervision; Modeling and Development of the Building Stages of the Cable-staying Superstructure, Technical Follow-up of the Cable-staying Superstructure referring to the Cable-stayed Bridge over the Paranaiba River, on the border of the cities of Carneirinho/Minas Gerais State and Porto Alencastro/Mato Grosso do Sul State.	Minas Gerais State	Roadworks	DER/MG – Minas Gerais State Roads Organ
Final Engineering Design of Extension II - Divinópolis - Marianópolis of TO – 080 Road, 27.03km long.	Tocantins State	Roadworks	SEINF-TO

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Geometric and topographic Follow-up services, of technological and material controls and of implementation and paving works and services of the 2nd SP - 326 Road Lane - Brigadeiro Faria Lima Highway, road mark km 293 to km 307, existing lane recapping.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Geometric and topographic follow-up services, of technological and material controls of the implementation and paving works and services of the drop device of the SP - 425 Road Junction (km 185) to the BR - 153 Road in the city of São José do Rio Preto.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Geometric and topographic follow-up services, of technological and material controls of the implementation and paving works and services of the additional lanes at the SP-425 Road, between road marks km 128.500 and km 157.550 (Olímpia - Rio Turvo).	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Geometric and topographic follow-up services, of technological and material controls of the implementation and paving works and services of the second lane at the SP-300 Road, extension between road mark km 457.5 and km 485.8, including junction and return devices.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Elaboration of the Paving Executive Design of TO – 482 Road, extension Xambioá/Piraquê/BR - 153 Road (84.50 km).	Tocantins State	Roadworks	SINFRA-TO
Geometric and topographic follow-up services, of technological and material controls of the implementation and paving works and services of the additional lanes at the SP-425 Road, between road marks km 157.55 and km 184.70, extension Rio Turvo/São José do Rio Preto.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Restoration Engineering Supervision Works, Improvements and Road Extensions Building – Batch 3, BA – 374 Road.	Bahia State	Roadworks	DER/BA – Bahia State Roads Organ
Geometric and topographic follow-up services, of technological and material controls of the works and services of the BR - 381 Road (Fernão Dias Highway) duplication, extension: São Paulo - Junction of SP – 65 Road (D. Pedro I Highway) from road mark km 53 to km 68, including recapping of the existing road.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Execution of the Executive Designs, Adjustment of the Basic Design and of the Works Implementation Supervision of the Linha Amarela Highway Batch 02, with 7,108.1m, on the extension between road marks km 8.1 - Geremário Dantas Avenue and km 15 – Pernambuco Street.	Rio de Janeiro State	Roadworks	PMRJ - Rio de Janeiro Military Police
Paving, Drainage and Support Walls Elaboration Designs, as well as of public ways.	São Paulo State	Roadworks	PMSP – São Paulo Military Police
Technical Services of Geometric and Topographic Follow-up, of technological controls and of works materials and services of duplication of the BR – 381 Road, part of the Fernão Dias Highway, extension from road mark km 68 to km 73+500, including restoration and recapping of the existing track.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Elaboration of the Executive Design of Duplication of the Américas Avenue Subextension, between the current Road Mark Km 19 (close to and before the Bridge over the Sernambetiba Canal), and the Bridge over the Portinho River, with the interconnection of the Jacarepaguá and Guaratiba Lowlands, through the Grota Funda Tunnel, with a total length total of 6.90km.	Rio de Janeiro State	Roadworks	SETR/PCRJ
Physical-Operational Improvements Design, in terms of traffic flow, at Batch 001, comprehending the Francisco Bicalho Avenue, in the direction of Brasil Avenue and Downtown.	Rio de Janeiro State	Roadworks	CET-RIO
Executive Design and Supervision of the Works Implementation of the Connection between Linha Vermelha Highway to the Gasometro Viaduct, Rio – Niterói Bridge.	Rio de Janeiro State	Roadworks	PCRJ
Studies and Designs Referring to the Concession Works of the Presidente Dutra Highway, 400km long.	Rio de Janeiro State/ São Paulo State	Roadworks	NOVADUTRA
Execution of the Topography and Geotechnical Services as well as of nearby roads, under the jurisdiction of the Regional Division of the city of São José do Rio Preto - DR9.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Designs of the Administrative Building and of the Toll Booth Installations of Batch 02 of the Linha Amarela Highway, with 6 traffic lanes, 3 for each direction, located from piles 507 + 17.90 to 863 + 06.00, completing 7,108.1m of length, between the neighbourhoods of Jacarepaguá and Encantado.	Rio de Janeiro State	Roadworks	CONSTRUTORA OAS LTDA. – OAS Constructor Inc.
Technical – Economic Viability Study of Alternatives and Basic Design of the Second Road Bridge Brazil – Paraguay over the Paraná River.	Brazil/ Paraguay	Roadworks	ANDRADE GUTIERREZ Constructor
Management, Supervision, Geometric and Topographic Follow-up, Technological Control e of Materials, of the Works and Services of Duplication, including restoration and recapping of the existent track of the BR - 381 Road - Fernão Dias Highway, Extension from road mark km 53.60 to km 75.76.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Final Engineering Design and Study of Environment Impact of the Ruta nº 8 - Dr. Blas Garay, extension Caazapá - Coronel Bogado, with 135km of length, in Paraguay.	Paraguay	Roadworks	Paraguay's Ministry of Public Works and Communications
Duplication Works Supervision, as well as of Conventional Paving, City Accesses and Restoration of the 1st Works Group of the Road Program of Ceara State – Batch XIII. 50.44 Km long on the CE - 359/90 Road - Quixadá - Quixeramobim and Accesses.	Ceara State	Roadworks	DERT/CE – Ceara State Buildings and Roads Department
Management, Supervision and Geometric and Topographic Follow-up, technological and materials control of the works and services of duplication, restoration and recapping of the BR - 381 Road, Fernão Dias Highway, extension from road mark Km 71.50 to Km 79.10, total length of 7.60km.	São Paulo State	Roadworks	FIGUEIREDO FERRAZ Engineering
Inspection and Supervision of the Embankment and Asphalt Paving Work of the TO – 201 Highway, Extension: Buruti/Esperantina, approximate length of 37km.	Tocantins State	Roadworks	SETO/TO

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Basic Design of the 2/3A – Extension: São Conrado - Ayrton Senna Avenue and Extension: Leblon - São Conrado, integrating of the Studies and Designs for the Conclusion, Supplement and Improvement of the Road Connection of the city of Rio de Janeiro. Extension São Conrado - Ayrton Senna Avenue, urban Road 11,014.23m long, and extension Leblon - São Conrado, 3,678.46m long.	Rio de Janeiro State	Roadworks	SETR/PCRJ
Initial Studies, Support for the Complementation of the Initial Studies and the Executive Design of the End of Batch 3, from Linha Amarela Highway to the Entrance Gate of the University campus (Cidade Universitária) at the Fundao Island (Connection Design between Linha Amarela and Linha Vermelha Highways).	Rio de Janeiro State	Roadworks	LAMSA
Supervision Execution and Engineering Works Control, seeking the Reinstatement and paving of the highways extensions part of the Road Hallways Connection Program of Bahia Stat, Batch 3, extension Km 00 (Junction BR - 116) - Km 86 (Ipirá).	Bahia State	Roadworks	DERBA
Paving Works Supervision of Extension Cruz - Gijoca de Jericoacoara, at the CE - 085 Highway, total length of 34.50km.	Ceara State	Roadworks	DERT/CE – Ceara State Buildings and Roads Department
Paving Works Supervision of Extension Junction CE - 138 - Potiretama, at the CE - 470 Highway, total length of 21.90km.	Ceara State	Roadworks	DERT/CE – Ceara State Buildings and Roads Department
Viability Studies, Final Engineering Design and Study of the Environmental Impact of the Works contemplated at the Western Hallways Program, Extension Mariscal Estigarribia - Puerto Casado, with 293km of length and Technical – Economical Viability Studies from the Branch to Carmelo Peralta 124.50km long.	Paraguay	Roadworks	Paraguay's Ministry of Public Works and Communications
Elaboration of Executive Design for works and recovery services of the SP – 425 Road, extension Guaíra/Barretos/SP - 332, Batch 31.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Supervision of restoration works with 854 km of length on the following highways: Batch I 282.3 km - BR 232 Highway, extension Recife - Parnamirim Sub - Extension - Caruaru - Serra Talhada, Segment Km 129.9 - Km 412.2 Batch II 571.7 km - BR – 232 Highway, extension Recife - Paramirim Sub - extension Serra Talhada. Parnamirim, segment Km 412.2 - Km 553.5 - Highway BR - 316, Extension Div Pi/PE - DIV PE/Al Sub-extension DIV/PE - Parnamirim, Segment Km 0,00 - KM 154.3; BR - 316 Highway Extension BR - 428 (Cabrobó) Junction BR 116/428, sub-extension Cabrobó - Junction BR 116/428, segment km 217.1 - km 227.7; BR 428 Highway, extension: Junction BR 116/316 - Junction BR - 122, sub-extension Cabrobó - Lagoa Grande, Segment Km 10.6 - Km 140.2; BR 122 Highway, extension DIV CE/PE - DIV PE/BA, sub-extension Lagoa Grande - Petrolina, segment KM 255,6 - Km 308,8.	Pernambuco State	Roadworks	DNIT – Brazilian Department of Transportation Infra-structure
Inspection of Reinstatement and Improvement Works of the following extensions: Supercarretera Nueva Esperanza 1.44 km Nueva Esperanza - Paso Ita – 20.34 km Nueva Esperanza - Laurel - Colonia 11 Septiembre – 34.30 km.	Paraguay	Roadworks	Paraguay's Ministry of Public Works and Communications

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Elaboration of the Basic Engineering Design related to the adaptations of the existing Designs, in order to adequate them to the proposed diagram of the Lagoa - Barra (RJ - 071) Road, at the extension between the Borges de Medeiros and Américas Avenues.	Rio de Janeiro State	Roadworks	SMTR/PCRJ
Supervision and inspection of Works at the BR – 116 Road/Sao Paulo State - Regis Bittencourt Highway.	São Paulo State	Roadworks	SD Engineering
Geometric and topographic follow-up services execution de, of technological and materials control , of environmental supervision and follow-up for the execution of implementation works and services of the 2nd Lane and improvements, restoration and recapping of the existing track at the SP - 55 Padre Manoel da Nóbrega Highway, on the extension between neighbourhoods Itanhaem and Peruíbe, from road mark km 323 + 500m to km 344+950 m.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Paving Works Supervision at the extension: BR – 116 Road - Umari, CE - 284 – Ceará State Highway.	Ceara State	Roadworks	DERT/CE
Paving and Improvement Works Inspection of the Extension La Patria (km 0) - Infante Rivarola – Borderline with Bolivia (km 122.22).	Paraguay	Roadworks	Paraguay's Ministry of Public Works and Communications
Technical specialized services execution of executive designs elaboration for the works and services of recovery of the road extensions inserted on the Highways Recovery Program of São Paulo State, at the SP – 125 Road, extension Ubatuba - SP - 55 until Alto da Serra, from road mark km 70.500 to km 84,500, total length of 24km.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Services of Engineering Basic Design Studies Elaboration e for Batch 1 of Via Light.	Rio de Janeiro State	Roadworks	PCRJ/SMTR
Supervision of the Paving Work of Extension São Sebastião - Tarrafas, at the CE – 375 Highway – Road Program of Ceará State - CEARÀ II.	Ceara State	Roadworks	DERT/CE
Consultancy Services Execution for the Elaboration/Revision of Final Engineering Design sat the integrating extensions of the Bahia State Road Hallways Integration Program: Sub - Program - Maintenance/Stabilization of non-paved roads Batch V, BA - 120 Highway, Extension Junction BA - 052 - Ipacaeta, Length of 16.0 km.	Bahia State	Roadworks	DERBA
Design Revision services and technical supervision, as well as building environment and paving on extensions Santa Bárbara - Cuchu Ingenio y Bella Vista - Cotagaita to be executed on the departments Potosí, Chuquisaca and Tarija.	Bolivia	Roadworks	Servicio Nacional de Caminos – Bolívia Roads Service
Road Inventory of Rural Routes at the Departments of Misiones, Ñeembucú, Guairá, Caazapa, Itapúa and Alto Paraná.	Paraguay	Roadworks	Paraguay's Ministry of Public Works and Communications
Paving Works Services of the BA-131 Highway (Ibicuí - Ponte do Astério).	Bahia State	Roadworks	DERBA
Road Concession (2nd Phase) – Operational Designs and Investment Studies	RJ, SP, MG, PR and SC States	Roadworks	INVEPAR
Basic Design – Largo da Batalha Highway – Azul Line.	Niterói	Roadworks	EMUSA/ETECE

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Road Works Supervision in São Paulo State – Quality Ways Program.	São Paulo State	Roadworks	DER/SP – São Paulo State Roads Organ
Basic Design – Road Tunnel Charitas.	Niterói	Roadworks	EMUSA/ETECE
Designs Destinated to the Water Supply System of the São Paulo RM, 46,132m long, and hydro-geological mapping of RMSP.	São Paulo State	Roadworks	SABESP – São Paulo State Sanitation Company
Detection and Registration of the Water Supply Network at the city of Bragança Paulista, in a total length of 115km.	São Paulo State	Sanitation	SABESP
Executive Designs of Prolongation of 34,610m of sewage intake nets including the Divisional Managements of Pinheiros, Ipiranga, Vila Mariana, Sé, Penha, Lapa and Butantã.	São Paulo State	Sanitation	SABESP
Detection and Registration of the Sewage intake nets executed by the SAME Program in the cities of Cotia, Embu, Itapecerica da Serra, Barueri, Jandira and Itapevi, including topographic surveys and geotechnical services.	São Paulo State	Sanitation	SABESP
Detection and Registration of the Water Distribution Net of the city of Bragança Paulista, with approximate length of 100km.	São Paulo State	Sanitation	SABESP
Detection and Registration of the Water Distribution Net - Batch I of the city of Pindamonhangaba, with total length of 125,000m.	São Paulo State	Sanitation	SABESP
Executive Designs of Prolongation of Sewage Intake Nets in the city of Taboão da Serra, including topography services, as well as registration and geotechnology.	São Paulo State	Sanitation	SABESP
Registration of the Water Distribution Net in the city of Avaré, with total length of 81,300m.	São Paulo State	Sanitation	SABESP
Executive Designs of Prolongation of Sewage Intake Nets in the cities of Barueri, Itapevi, Carapicuíba, and Santana do Parnaíba and Jandira on the São Paulo city urbanized area.	São Paulo State	Sanitation	SABESP
Topographic Services on the São Paulo city urbanized area, as well as coast and countryside – Batch 2.	São Paulo State	Sanitation	SABESP
Deep piping pits through geo-electrical methods on the Division Managements of Vila Mariana, Santana, Pirituba, Freguesia do Ó, Franco da Rocha, Santo Amaro, Campo Limpo, Capela do Socorro, Vila Maria and Diadema on the São Paulo city urbanized area.	São Paulo State	Sanitation	SABESP
Electrical-magnetic detection, Boring and Registration of Water Nets on the city of Mairiporã.	São Paulo State	Sanitation	SABESP
Elaboration of Studies and Designs of Sanitary Sewage Works at the RMSP. Executive Design of the trunk collectors on the TC - 12 Guaraú and TC - 12 Bananal Bays.	São Paulo State	Sanitation	SABESP
Executive Design for the prolongation of Sewage Collector Net in the city of Cotia.	São Paulo State	Sanitation	SABESP
Executive Design for the prolongation of 16,200m of the Sewage Collector Net in the city of Jandira – Batch 7.	São Paulo State	Sanitation	SABESP
Engineering Design of the Sanitary System of the city of Maricá, comprehending an area of 115 ha.	Rio de Janeiro State	Sanitation	CEDAE – Rio de Janeiro Sewage

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Studies and Works Designs of Sanitary Sewage on the São Paulo city urbanized area.	São Paulo State	Sanitation	SABESP
Elaboration of Hydraulic Design for small and medium galleries.	São Paulo State	Sanitation	São Paulo Military Police
Location and Executive Designs Services of Deep Pipeline Pits on the cities comprehended by the West Regional Sao Paulo Coordination – RMSP.	São Paulo State	Sanitation	SABESP
Executive Design of Steel Piping Settling I Various Batches of the Sao Paulo city urbanization area – Batch 3.	São Paulo State	Sanitation	SABESP
Executive Design of Expansion of the Integrated System of Water Supply in the city of Jaguaquara/Junction and Itaquara.	Bahia State	Sanitation	EMBASA – Bahia State Sanitation Company
Assistance to the Executing Unit of the SRHSH concerning the Environmental Sanitation Program Supervision of the Todos os Santos Bay.	Bahia State	Sanitation	SEINFRA (SRHSH)
Elaboration of Studies and Executive Designs of Sewage Collector Nets of the TL – 15 (Itaquera) Bay, according to the Tiete River Pollution-free Program, upstream area, on the urbanized area of Sao Paulo city, including executive design of raising station, topographic surveys and geo-technical services, with approximate length of 21km.	São Paulo State	Sanitation	SABESP
Executive Design of Expansion of the Water Supply System in the cities of Andaraí and Mucugê, total length of 64.62 km.	Bahia State	Sanitation	EMBASA
Management of Expansion/Implementation works of the Water and Sewage Systems of the cities of Paracuru and Paraipaba/CE – Northeast Region Tourism Development - PRODETUR/NE.	Ceara State	Sanitation	CAGECE – Ceara State Sanitation Company
Elaboration of Studies and Executive Designs of Sewage Trunk Collectors in the PL - 01 (Jaguaré) Bay, part of the Sewage System of São Paulo city urbanized area, with total length of 18.50km.	São Paulo State	Sanitation	SABESP
Elaboration of Basic Design for Execution of Sewage Collective Nets from the TL – 16 Bay, of the Suzano city Integrated System	São Paulo State	Sanitation	SABESP
Supervision and Management of the "Solid Residues Component" from the Guanabara Bay Pollution-free Program.	Rio de Janeiro State	Sanitation	SOSP/ADEG
Technical Works Follow-up (ATO) of the Sewage Trunk Collectors Guaraú e Bananal, part of the Barueri Sanitary Sewage System, on São Paulo city urbanized area.	São Paulo State	Sanitation	SABESP
Elaboration of the Executive Design of Expansion of the Integrated Water Supply System of Acupe, Saubara, São Brás, Itapema, Cabuçu and Bom Jesus dos Pobres, in Bahia State.	Bahia State	Sanitation	EMBASA
Technical Assistance Services to the Sewage Treatment Stations of São Paulo city urbanized area, seeking with such Technical Assistance Study the investigation and evaluation of the performance of the existing Sewage Treatment Stations: Barueri, ABC, Suzano, Parque Novo Mundo and São Miguel, as well as propositions for the elaboration of Directive Plan revision of RMSP Sewage.	São Paulo State	Sanitation	SABESP/ METCALF

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Support to the Inspection of Works of Expansion Implementation and of Public Services of 2 Water and Sewage Systems at part of the sea coast of Rio de Janeiro state.	Rio de Janeiro State	Sanitation	ASEP/RJ – Rio de Janeiro State Public Services Regulamentary Agency
Elaboration of Study and Executive Design of Sewage Trunk Collectors of the TO - 15 – Carapicuíba Bay.	São Paulo State	Sanitation	CWORKPI
Works Execution Inspection of Jaguaquara Sanitary Land Filling.	Bahia State	Sanitation	CONDER
Elaboration of Executive Designs of the Water Supply Systems on the areas of acting of the Center-West Region Business Units.	São Paulo State	Sanitation	SABESP
Elaboration of Studies and Designs of Units of sewage removal, treatment and final disposition in the cities of Orindiuva, União Paulista and Nhandeara - São Paulo.	São Paulo State	Sanitation	LATIN CONSULT Engineering
Rendering of Services of expansion, preliminary environmental report, basic designs and executive designs of the Rio Grande productive system and technical works follow-up, at the RMSP.	São Paulo State	Sanitation	SABESP
Elaboration of Basic Design of implementation of the Sanitary Sewage System of Comandatuba – Bahia State.	Bahia State	Sanitation	EMBASA
Elaboration of Studies and Designs of the Water Supply System of Pindamonhangaba.	São Paulo State	Sanitation	SABESP
Executive Design of adjustment works of the water supply system in the city of Guarulhos.	São Paulo State	Sanitation	SAAE
Executive Design of Sewage - Bays 16/17 and 18 – Itaquaquetabu.	São Paulo State	Sanitation	SABESP
Basic Design of Micro Drainage of the Central Zone, Sewage trunk collectors, Sewage Elevator Stations and Settling Line - Rio Claro – SP.	São Paulo State	Sanitation	Conen/PMRC
Supervision of the Urban Transportation Program of São Bernardo do Campo.	São Paulo State	Sanitation	PMSBC
Inspection and Supervision Services of Civil Works and Fixed Systems for the Implementation of a Subway System in the city of Salvador, extension Lapa - Pirajá, with approximate length of 12km.	Bahia State	Supervision	CTS
Technical Services for Public Ways Paving Design including topographic surveys, geotechnical services, hydrological studies, registration and hydraulic design of galleys, design and dimensioning of pavement, and technical checking.	São Paulo State	Railway Supervision	PMSP
Elaboration of Public Ways Designs, including Topographic Survey, Pavements Dimensioning and Drainage.	São Paulo State	Urbanization	São Paulo State Military Police
Support to the Management of Designs Elaboration and Works Execution on the integrated communities of Batch III of PROAP - RIO – Urbanization Program of the Popular Settlements in the city of Rio de Janeiro.	Rio de Janeiro State	Urbanization	SMH/PCRJ
Design and Detailing of Architecture, Structure, Electric Installations and Drainage of the Urbanization Work on the extension between Stations Inhaúma and Pavuna of the Rio de Janeiro Subway System.	Rio de Janeiro State	Urbanization	QUEIROZ GALVÃO Constructor

WORK DESCRIPTION	LOCATION	CLASS	CLIENT
Technical Support Services to O/CGP/DPVE for the elaboration of Structural and Recovery Designs on the AP – 3 Area.	Rio de Janeiro State	Urbanization	Rio de Janeiro Military Police
Rendering of Technical Specialized Services for the Development and Supervision of the Environmental Education Design - PROCAV-2.	São Paulo State	Urbanization	São Paulo State Municipal Secretary of Environment DEPLA – PCSP

PHOTOGRAPHIC DOCUMENTATION

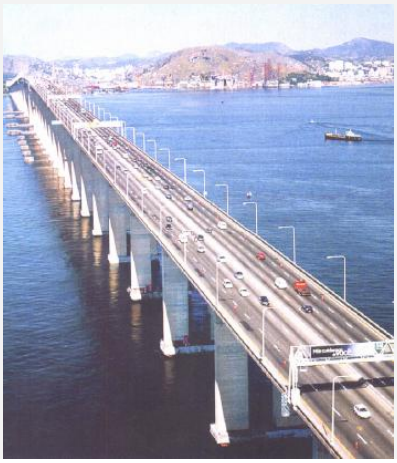
CLIENT:

EMPRESA DE ENGENHARIA E CONSTRUÇÃO DE OBRAS ESPECIAIS - ECEX/DNER

ENTERPRISE:

PRESIDENTE COSTA E SILVA BRIDGE (RIO-NITERÓI) - LENGHT 13,290 M - WIDTH 26.6 M

FEASABILITIES STUDIES, BASIC AND FINAL DESIGN, CONSTRUCTION SUPERVISION, STRUCTURAL MAINTANANCE



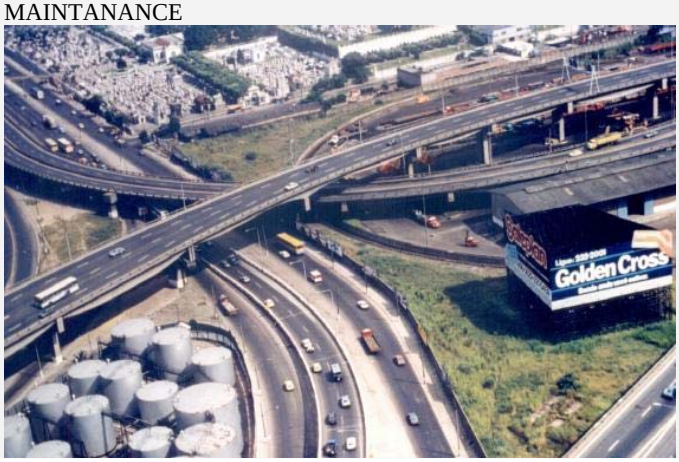
CLIENT:

EMPRESA DE ENGENHARIA E CONSTRUÇÃO DE OBRAS ESPECIAIS - ECEX/DNER

ENTERPRISE:

PRESIDENTE COSTA E SILVA BRIDGE (RIO-NITERÓI) - ACCESSES IN RIO DE JANEIRO

FEASABILITIES STUDIES, BASIC AND FINAL DESIGN, CONSTRUCTION SUPERVISION, STRUCTURAL MAINTANANCE



CLIENT:

EMPRESA DE ENGENHARIA E CONSTRUÇÃO DE OBRAS ESPECIAIS - ECEX/DNER

ENTERPRISE:

PRESIDENTE COSTA E SILVA BRIDGE (RIO-NITERÓI) - ACCESSES IN NITERÓI

FEASABILITIES STUDIES, BASIC AND FINAL DESIGN, CONSTRUCTION SUPERVISION, STRUCTURAL MAINTANANCE

CLIENT:

DEPARTAMENTO NACIONAL DE ESTRADAS DE RODAGEM - DNER

ENTERPRISE:

PRESIDENTE COSTA E SILVA BRIDGE (RIO-NITERÓI) - LENGHT 13,290 M - WIDTH 26.6 M

CONSULTING SERVICES PLANNING FOR CONCESSION OF FEDERAL HIGHWAYS

CLIENT:

EMPRESA DE ENGENHARIA E CONSTRUÇÃO DE OBRAS ESPECIAIS – ECEX

ENTERPRISE:

PRESIDENTE COSTA E SILVA BRIDGE (RIO-NITERÓI) - LENGHT 13,290 M - WIDTH 26.6 M

GENERAL STRUCTURAL MAINTANANCE

CLIENT:

PREFEITURA MUNICIPAL DA CIDADE DE SALVADOR- SUPERINTENDÊNCIA DE URBANIZAÇÃO DA CAPITAL DO ESTADO DA BAHIA

ENTERPRISE:

COMPLEXO VIÁRIO DE SALVADOR -13 VIADUCTS WITH LENGHT 976 M AND TWIN TUNNEL – LENGHT 190M

FINAL ENGINEERING DESIGN

CLIENT:

DEPARTAMENTO NACIONAL DE ESTRADAS DE RODAGEM - DNER

ENTERPRISE:

AVENIDA PERIMETRAL - LENGHT 7,000M

DESIGN REVISION AND CONSTRUCTION SUPERVISION OF ELEVATED HIGHWAY

CLIENT :

DEPARTAMENTO DE ESTRADAS DE RODAGEM DO RIO DE JANEIRO - DER-RJ

ENTERPRISE:

ELEVADO DO JOÁ – LENGHT 2,000M

SITE SUPERVISION AND QUALITY CONTROL OF STRUCTURAL STRENGHTENING

CLIENT:

DEPARTAMENTO NACIONAL DE ESTRADAS DE RODAGEM - DNER

ENTERPRISE:

CABLE STAYED BRIDGE OVER PARANAIBA RIVER - LENGHT 662.7M – CENTRAL SPAN 350M

FINAL DETAILED ENGINEERING DESIGN OF A CABLE STAYED BRIDGE WITH TWO CONCRETE TOWERS AND POSTENSIONED CONCRETE DECK.

CLIENT:

DER/MG

ENTERPRISE:

CABLE STAYED BRIDGE OVER PARANAIBA RIVER - LENGHT 662.7M – WIDTH 16.00M

DETAILED DESIGN OF CONSTRUCTION STAGES

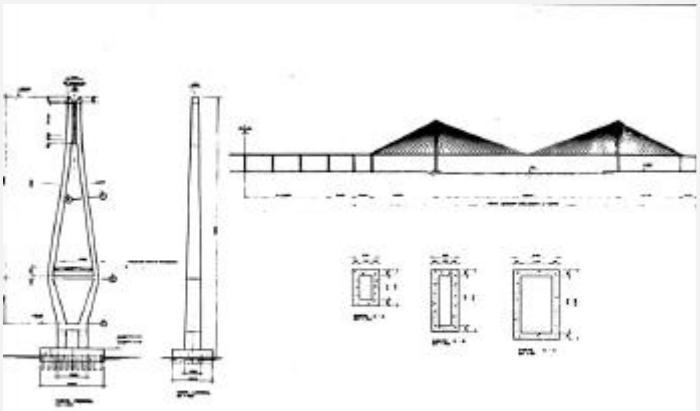
CLIENT:

COMPANHIA SIDERÚRGICA PAULISTA – COSIPA

ENTERPRISE:

ROAD LINK SAINTOS ILHA-SANTOS CONTINENTE - LENGHT 3,000M – CENTRAL SPAN – 600M

TECHNICAL FEASABILITIES STUDIES OF STEEL CABLE STAYED THE BRIDGE



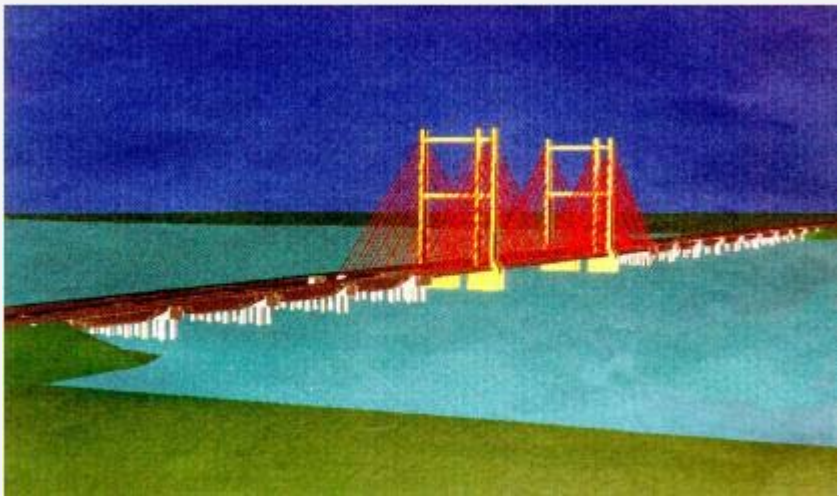
CLIENT:

COMPANHIA ENERGÉTICA DE SÃO PAULO - CESP

ENTERPRISE:

ROAD-RAILWAY BRIDGE OVER PARANÁ RIVER – LENGTH 1,100M- 174M CABLED STAYED SPAN

BASIC AND FINAL DESIGN



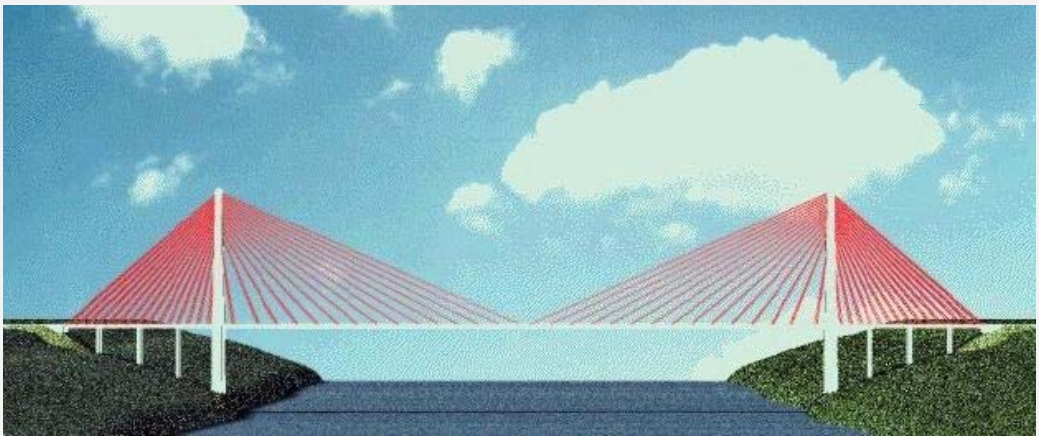
CLIENT:

CONSTRUTORA ANDRADE GUTIERREZ

ENTERPRISE:

SECOND ROAD CROSSING BRASIL - PARAGUAI – CABLE STAYED BRIDGE OVER PARANÁ RIVER – LENGTH 702M – 465M CENTRAL SPAN

TECHNICAL-ECONOMICAL FEASIBILITY STUDIES – CONCESSION FOR PRIVATE ENTERPRISE



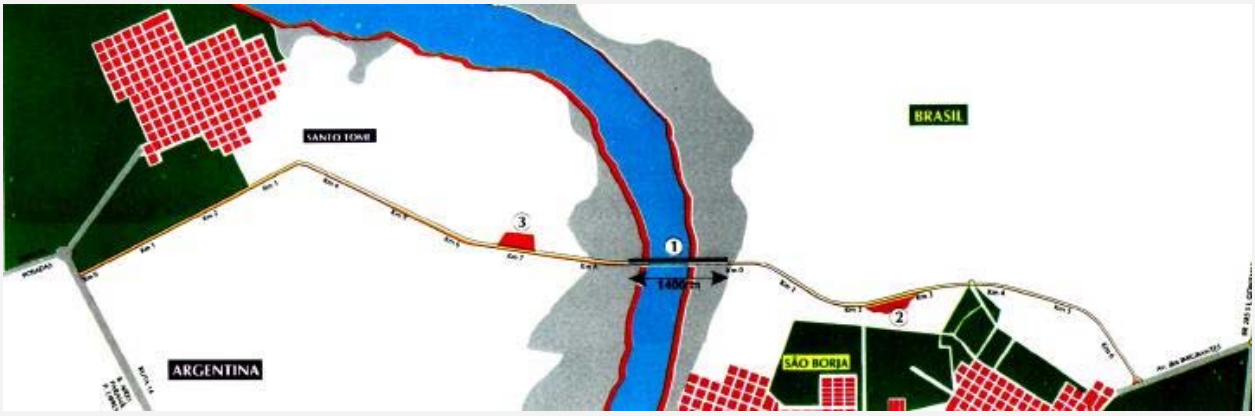
CLIENT:

EMPRESA INDUSTRIAL E TÉCNICA S.A. - EIT

ENTERPRISE:

INTERNATIONAL ROAD LINK BETWEEN BRAZIL-ARGENTINA - RIO URUGUAI BRIDGED

ENGINEERING STUDIES FOR A TECHNICAL PROPOSAL FOR PRIVATE CONCESSION



CLIENT:

PREFEITURA DA CIDADE DO RIO DE JANEIRO

ENTERPRISE:

ROAD TUNNEL CATUMBI - LARANJEIRAS (TÚNEL SANTA BÁRBARA) – LENGTH 1,360M.

DATAILED DESIGN, SITE SUPERVISION AND TECHNICAL ASSISTANCE

CLIENT:

SECRETARIA ESPECIAL DE TRANSPORTES DA CIDADE DO RIO DE JANEIRO –SETP-RJ

ENTERPRISE:

ROAD RING OF CITY OF RIO DE JANEIRO – VARIANT 2/3A (LEBLON-SÃO CONRADO - AV. AYRTON SENNA) – LENGTH –14,700M

BASIC DESIGN

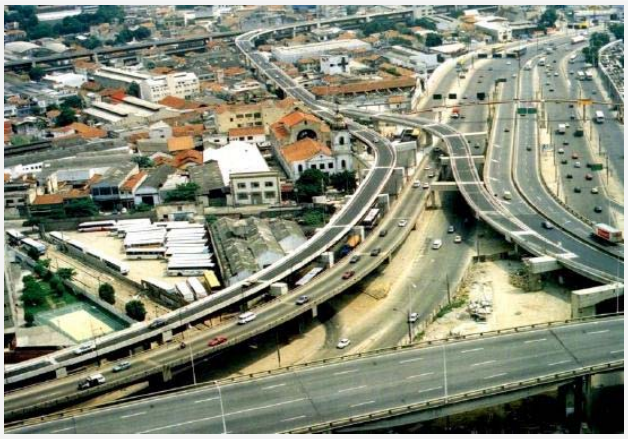
CLIENT:

SECRETARIA MUNICIPAL DE TRANSPORTES DA CIDADE DO RIO DE JANEIRO –SMTR-RJ

ENTERPRISE:

RED LINE/PERIMETRAL VIADUCT/RIO NITEROI BRIDGE LINK - LENGHT-1,396M

DETAILED DESIGN AND SITE SUPERVISION OF ELEVATED HIGHWAY



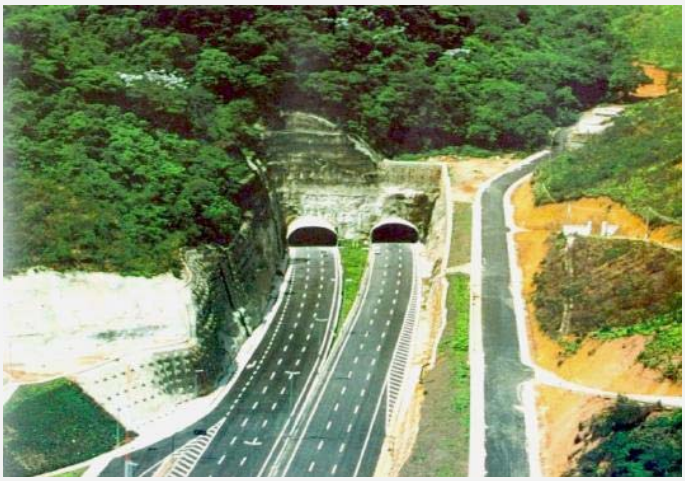
CLIENT:

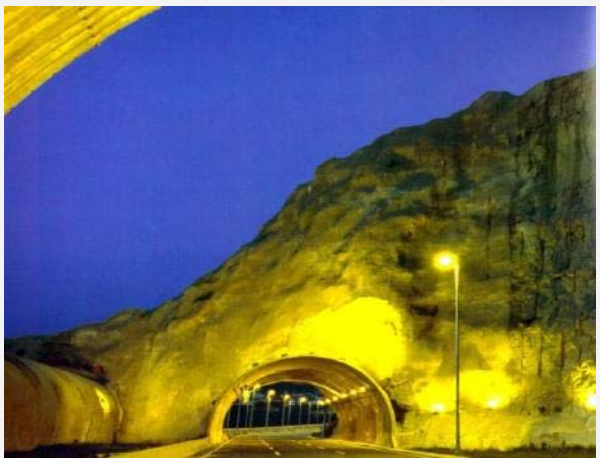
SECRETARIA MUNICIPAL DE TRANSPORTES DA CIDADE DO RIO DE JANEIRO – SMTR-RJ

ENTERPRISE:

CONCESSION OF YELLOW LINE - JACAREPAGUÁ - ENCANTADO – RJ - LOTE 02 - LENGHT 7,108M

DETAILED DESIGN AND SITE SUPERVISION





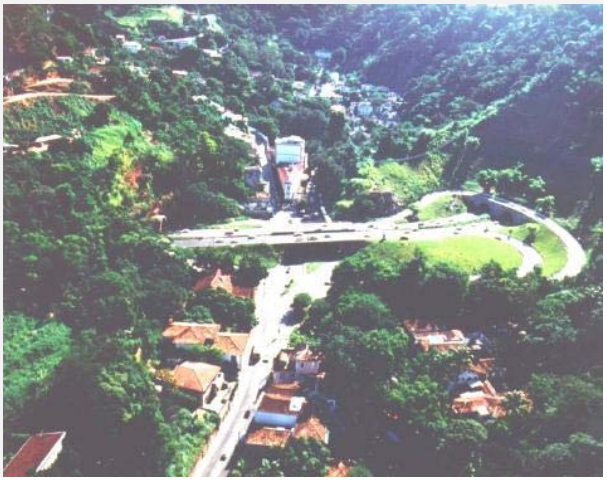
CLIENT:

DEPARTAMENTO DE ESTRADAS DE RODAGEM DO ESTADO DO RIO DE JANEIRO - DER/RJ

ENTERPRISE:

ROAD TWIN TUNNEL - LAGOA –COSME VELHO AND COSME VELHO-RIO COMPRIDO (TÚNEL REBOUÇAS) LENGHT 2,800 M

DETAILED DESIGN AND SITE SUPERVISION



CLIENT:

COMPANHIA VALE DO RIO DOCE - CVRD

ENTERPRISE:

ROAD PASSAGE UNDER VITÓRIA-MINAS RAILWAY - LENGHT 180M - WIDTH 14M

FEASIBILITY STUDIES, BASIC AND DETAILED ENGINEERING DESIGN

CLIENT:

DEPARTAMENTO NACIONAL DE ESTRADAS DE RODAGEM – DNER

ENTERPRISE:

ROAD BR-324 - TRECHO KM 35,7 – FEIRA DE SANTANA: LOTE 3A -SUB-TRECHO KM 67+000 TO KM 92+720 AND 4A TRECHO- KM 92+720 TO KM 107+540

SITE SUPERVISION OF CONSTRUTION

CLIENT:

DEPARTAMENTO DE ESTRADAS DE RODAGEM DE SÃO PAULO – DER/SP

ENTERPRISE:

ROAD IN STATE OF SÃO PAULO INTERIOR

SITE SUPERVISION OF CONSTRUTION

CLIENT:

DEPARTAMENTO DE ESTRADAS DE RODAGEM DE SÃO PAULO - DER/SP - DIVISÃO REGIONAL DE ARAÇATUBA

ENTERPRISE:

ROAD SP-300 – TRECHO KM 543 + 640 TO KM 570 + 120

SITE SUPERVISION OF CONSTRUTION /PAVEMENT OF ROA

CLIENT:

DEPARTAMENTO DE ESTRADAS DE RODAGEM DE SÃO PAULO - DER/SP

ENTERPRISE:

ROAD IN STATE OF SÃO PAULO INTERIOR

SITE SUPERVISION OF CONSTRUCTION

CLIENT:

SECRETARIA DE TRANSPORTES E OBRAS DO TOCANTINS – STO/TO

ENTERPRISE:

ROAD TO-164 – TRECHO NOVO HORIZONTE – ARAGUANÃ

MANEGEMENT AND SITE SUPERVISION OF CONSTRUTION

CLIENT:

SECRETARIA DE TRANSPORTES E OBRAS DO TOCANTINS – STO/TO

ENTERPRISE:

ROAD TO-287 - TRECHO ARAGOMINAS - PONTÃO, TO-235 -TRECHO PEDRO AFONSO – DIVISA TO / MA AND TO-280- TRECHO COLINAS - PROF. BIOLKINO FERREIRA

MANEGEMENT AND SITE SUPERVISION OF CONSTRUTION

CLIENT:

EMPRESA INDUSTRIAL E TÉCNICA S.A. – EIT

ENTERPRISE:

PRESIDENT DUTRA HIGHWAY (RIO-SÃOPAULO) - BR-116 / RJ / SP

ENGINEERING STUDIES FOR TECHNICAL PROPOSTAL OF PRIVATE CONCESSION

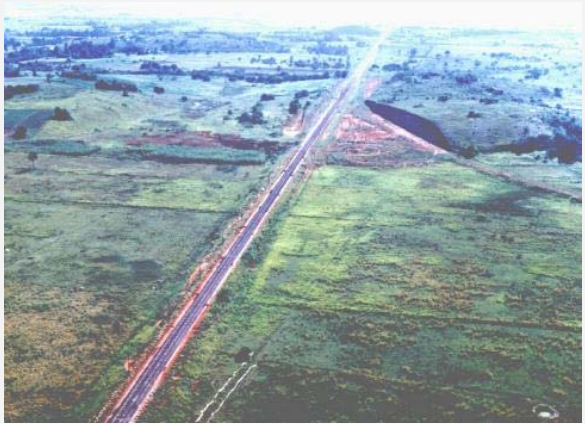
CLIENT:

REDE FERROVIÁRIA FEDERAL S.A. – RFFSA

ENTERPRISE:

RAMAL FERROVIÁRIO JAPERI.-BRISAMAR – TOTAL LENGTH 35,000M - 6 BRIDGES - 5 GRADE CROSSINGS

FINAL ENGINEERING DESIGN AND SITE SUPERVISION OF CONSTRUTION



CLIENT:

REDE FERROVIÁRIA FEDERAL S.A. - RFFSA

ENTERPRISE:

RAILWAY VIADUCT – TOTAL LENGTH 1,943M

DETAILED ENGINNERING DESIGN AND SITE SUPERVISION OF CONSTRUTION

CLIENT:

EMPRESA DE ENGENHARIA E CONSTRUÇÃO DE OBRAS ESPECIAIS – ECEX

ENTERPRISE:

ARARA RAILWAY YARD – TOTAL AREA 150,000M^2

GENERAL DESIGN REVIEW – SITE SUPERVISION OF CONSTRUTION

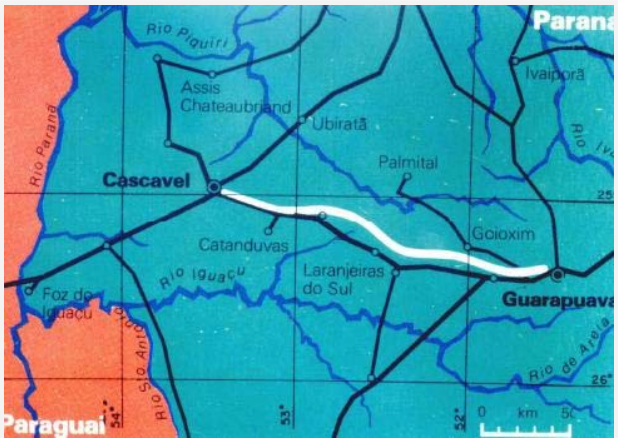
CLIENT:

REDE FERROVIÁRIA FEDERAL S.A. - RFFSA

ENTERPRISE:

RAILWAY LINK GUARAPUAVA – CASCAVEL – TOTAL LENGTH –240KM (19 VIADUTS WITH 6,648M)

FINAL ENGINEERING DESIGN



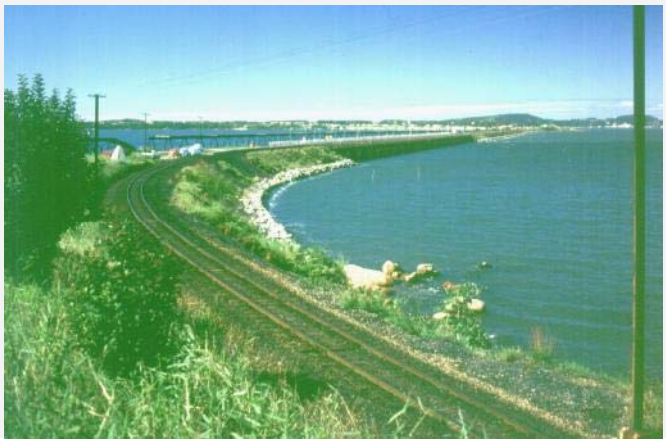
CLIENT:

EMPRESA DE ENGENHARIA E CONSTRUÇÃO DE OBRAS ESPECIAIS – ECEX

ENTERPRISE:

RAILWAY DONA TERESA CRISTINA – CRISCIÚMA VARIANT

FINAL ENGINEERING DESIGN AND SITE SUPERVISION OF CONSTRUTION



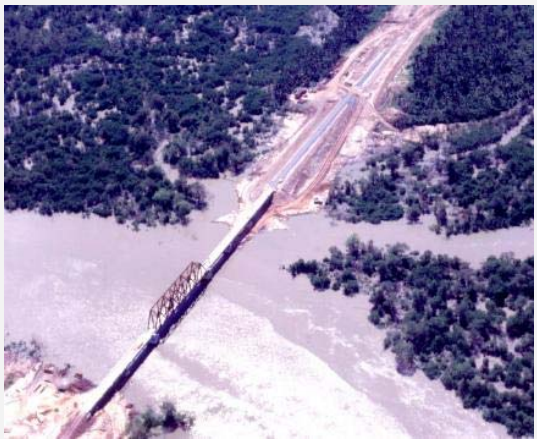
CLIENT:

COMPANHIA VALE DO RIO DOCE - CVRD

ENTERPRISE:

CARAJÁS RAILWAY - LENGHT – 120KM

SITE SUPERVISION OF CONSTRUTION



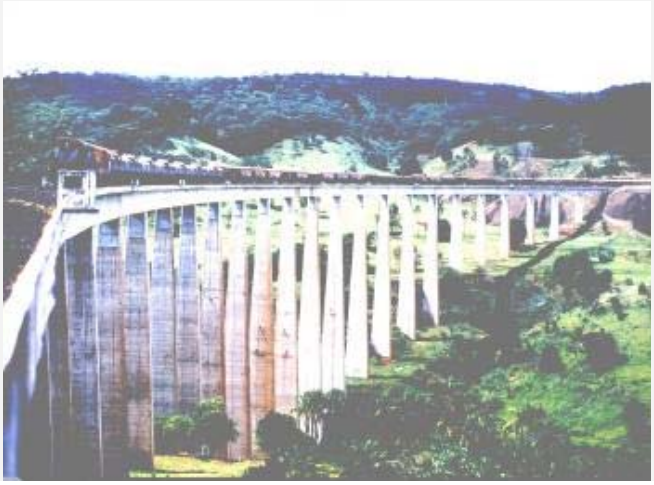
CLIENT:

MINISTÉRIO DO EXERCITO/DEC/DOC

ENTERPRISE:

FUNDÃO RAILWAY VIADUCT -LENGHT 660M

FINAL ENGINEERING DESIGN



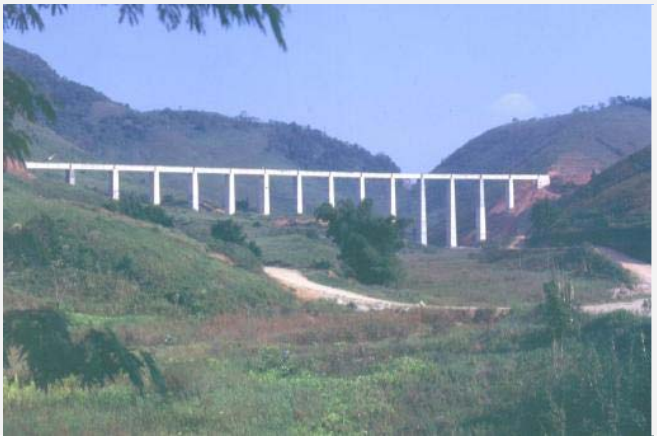
CLIENT:

EMPRESA DE ENGENHARIA FERROVIÁRIA S.A. – ENGEFER

ENTERPRISE:

FERROVIA DO AÇO – TOTAL LENGTH 32,000M - 15 VIADUCTS – LENGTH - 5,381M - 14 TUNNELS- LENGTH – 9,110M

FINAL ENGINEERING DESIGN AND SITE SUPERVISION OF CONSTRUTION



CLIENT:

CONSTRUTORA MENDES JÚNIOR S. A.

ENTERPRISE:

RAIL VIADUCT GROTA DO AMARAL - LENGHT 174,20M

DETAILED ENGINEERING DESIGN – SITE SUPERVISION OF CONSTRUTION

CLIENT:

REDE FERROVIÁRIA FEDERAL S.A. - RFFSA

ENTERPRISE:

FERROVIA DO AÇO – KM 0 TO KM 191

ENGINEERING CONSULTANCY, FINAL DESIGN AND SITE SUPERVISION

CLIENT:

COMPANHIA BRASILEIRA DE TRENS URBANOS – CBTU/SP – SUPERINTENDÊNCIA DE TRENS URBANOS DE SÃO PAULO STU/SP

ENTERPRISE:

SÃO PAULO SUBURB RAILWAY LINES – LENGHT – 190 KM

SITE SUPERVISION OF INFRA STRUCTURE AND FIXED INSTALATIONS

CLIENT:

COMPANHIA BRASILEIRA DE TRENS URBANOS – CBTU/SP – SUPERINTENDÊNCIA DE TRENS URBANOS DE SÃO PAULO STU/SP

ENTERPRISE:

SÃO PAULO SUBURB RAILWAY LINES – CALMON VIANA – ESTUDANTES

MANEGEMENT OF SITE SUPERVISION OF CONSTRUTION

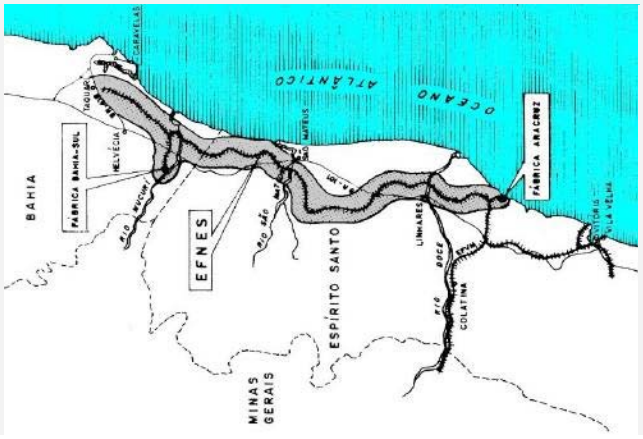
CLIENT:

ARACRUZ CELULOSE S.A.

ENTERPRISE:

ESPÍRITO SANTO / BAHIA – EFNES RAILWAY

FEASIBILITY STUDIES AND BASIC RAILWAY ENGINEERING DESIGN



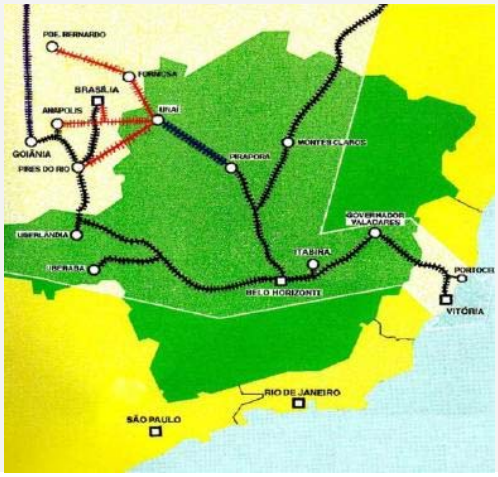
CLIENT:

COMPANHIA VALE DO RIO DOCE-CVRD

ENTERPRISE:

RAILWAY LINKS FOR CVRD

TECHNICAL AND ECONOMICAL FEASIBILITY STUDIES



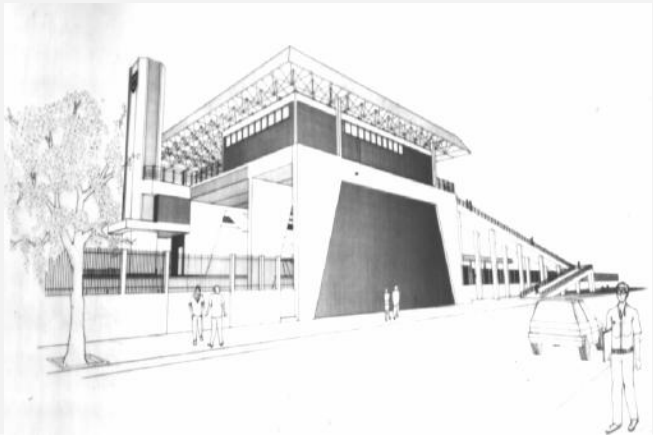
CLIENT:

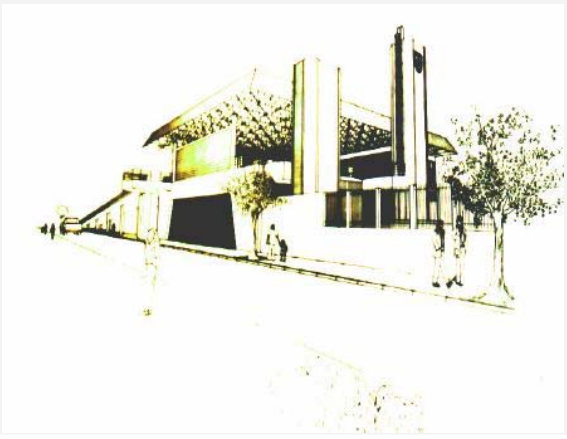
COMPANHIA BRASILEIRA DE TRENS URBANOS – STU-CBTU/RJ

ENTERPRISE:

URBAN RAILWAY STATION – RIO DE JANEIRO – 10 STATIONS

ARCHITECTURE, STRUCTURE, HYDRAULIC, ELETRIC, DRAINAGE, ROAD AND URBANIZATION, RECONSTRUTION DESIGN





CLIENT:

LAMSA

ENTERPRISE:

LINHA AMARELA (LOTE 4) – TRECHO – ILHA DO FUNDÃO/ AVENIDA BRASIL/ FINAL DO LOTE 3

FINAL ENGINEERING DESIGN

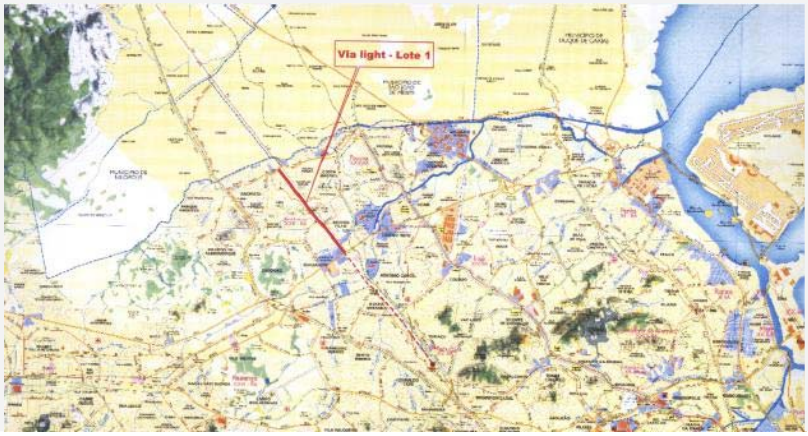
CLIENT:

SECRETARIA MUNICIPAL DE TRANSPORTES DA CIDADE DO RIO DE JANEIRO-SMTR-RJ

ENTERPRISE:

VIA LIGHT HIGHWAY – LOT 1 – LENGTH 4,000M (RIO PAVUNA-AVENIDA BRASIL)

BASIC DESIGN



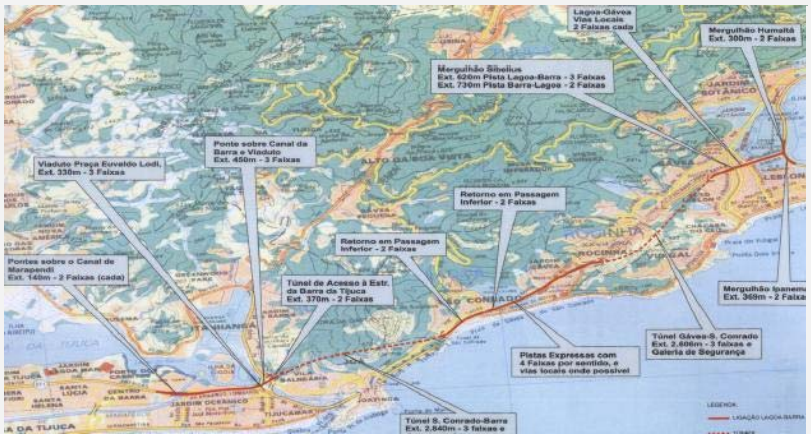
CLIENT:

SECRETARIA MUNICIPAL DE TRANSPORTES DA CIDADE DO RIO DE JANEIRO-SMTR-RJ

ENTERPRISE:

LAGOA - BARRA - MODERNIZATION AND CAPACITY INCREASE - LENGTH -12,389M

BASIC DESIGN



CLIENT:

COMPANHIA DO METROPOLITANO DO RIO DE JANEIRO – METRÔ/RJ

ENTERPRISE:

LARGO DA CARIOCA STATION – TOTAL AREA 18,500M^2

DETAILED ENGINEERING DESIGN – UNDERGROUND METRO STATION

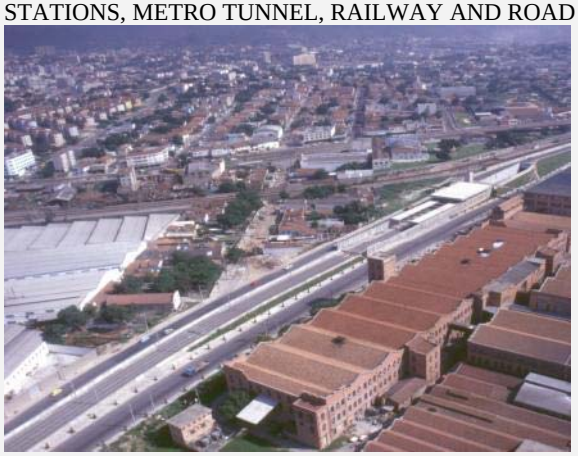
CLIENT:

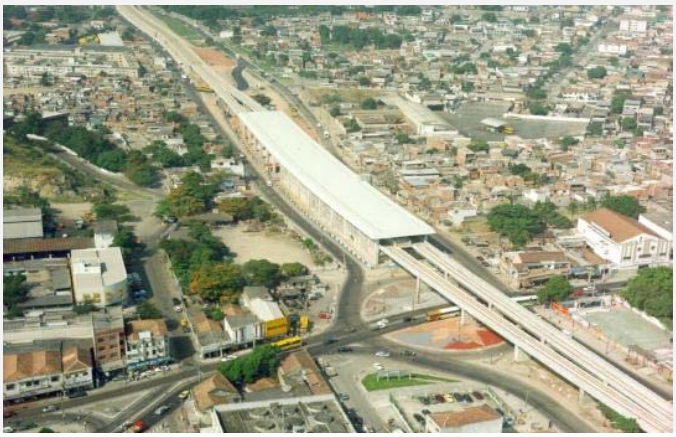
COMPANHIA DO METROPOLITANO DO RIO DE JANEIRO - METRÔ/RJ

ENTERPRISE:

METRÔ LINE 2 - MARIA DA GRAÇA – PAVUNA LINK - LENGHT 15,000 M

ARCHITECTURE, STRUCTURES, HYDRAULIC, DRAINAGE, ROADS DESIGH AND TECHNICAL ASSISTANCE. 17 STATIONS, METRO TUNNEL, RAILWAY AND ROAD BRIDGES





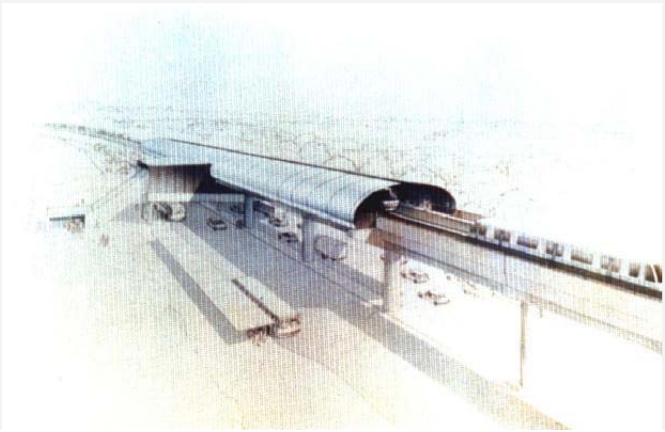
CLIENT:

COMPANHIA DO METROPOLITANO DE SÃO PAULO METRÔ/SP

ENTERPRISE:

VILA ALPINA STATION - VILA MADALENA/VILA PRUDENTE LINE - METRÔ/SP

COMPLETE BASIC ARCHITECTURAL AND STRUCTURAL DESIGN



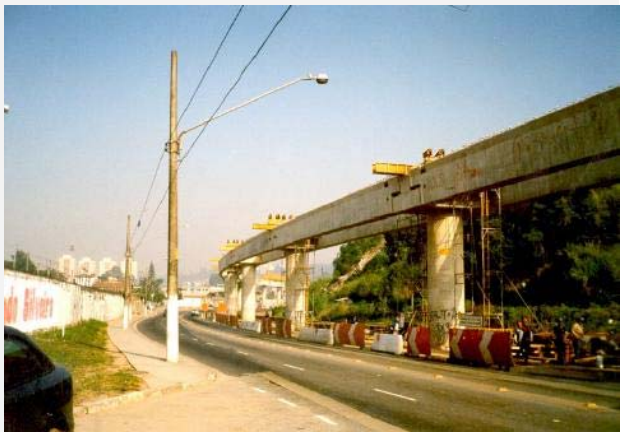
CLIENT:

COMPANHIA PAULISTA DE TRENS METROPOLITANO - CPTM

ENTERPRISE:

CAPÃO REDONDO-LARGO TREZE LINKIN ELEVATED STRUCTURE - LENGHT 1,916.49M

SITE SUPERVISION OF CONSTRUCTION – SUPPORT TO MANEGEMENT, PLANNING CONTROL



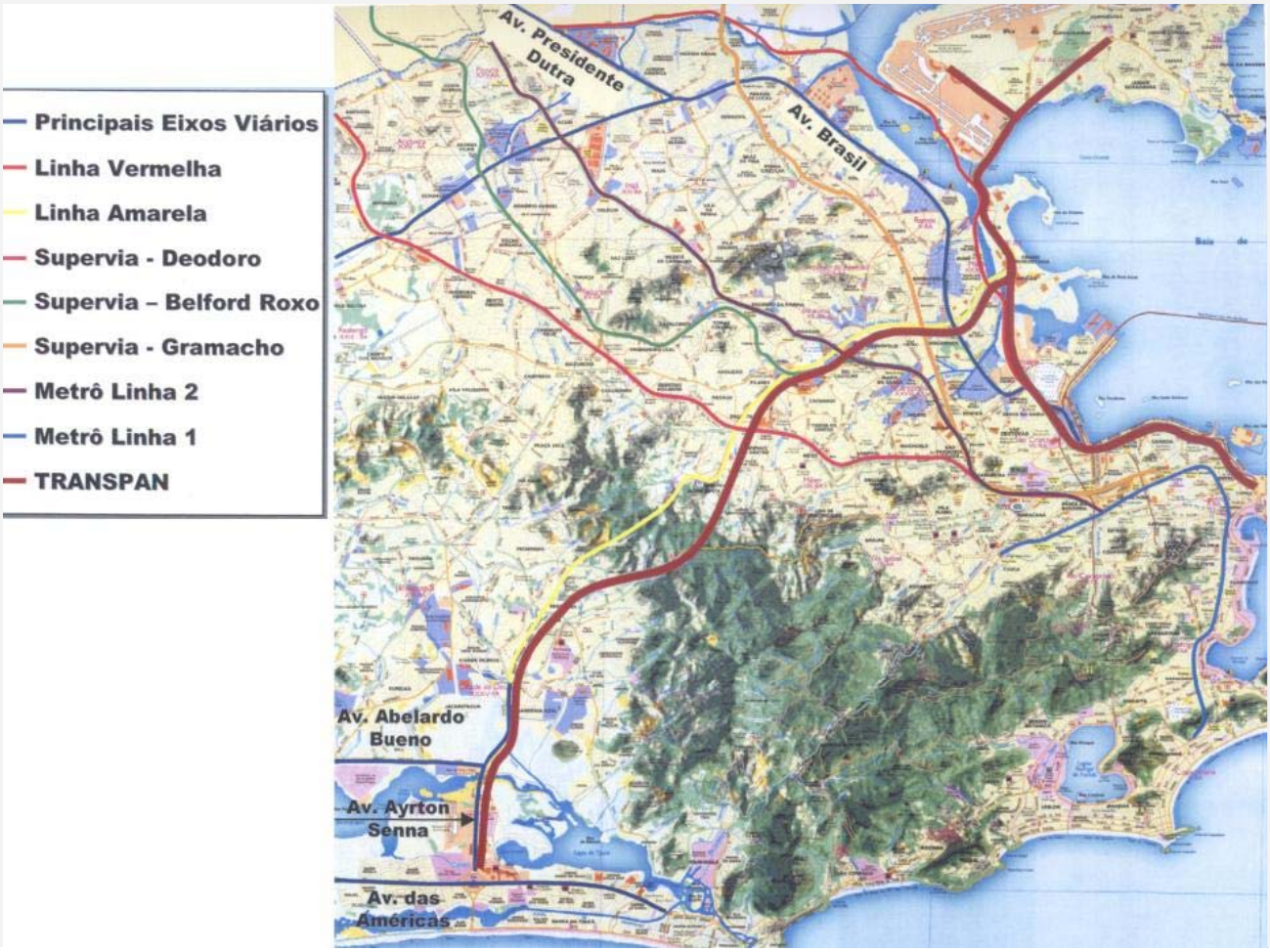
CLIENT:

SECRETARIA MUNICIPAL DE TRANSPORTES DA CIDADE DO RIO DE JANEIRO – SMTR-RJ

ENTERPRISE:

TRANSPAN – METRO LINK - BARRA DA TIJUCA- AEROPORTO INTERNACIONAL (Galeão) – AEROPORTO SANTOS DUMONT – LENGHT – 43,331M

BASIC DESIGN



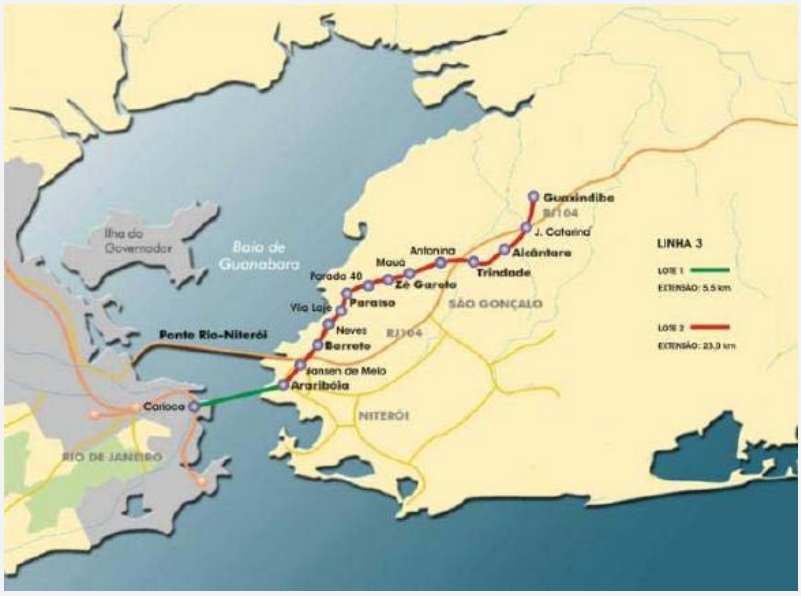
CLIENT:

SECRETARIA DE ESTADO DE TRANSPORTES DO ESTADO DO RIO DE JANEIRO

ENTERPRISE:

METRO LINE 3 – RIO DE JANEIRO – LINKING RIO DE JANEIRO, NITERÓI, SÃO GONÇALO AND ITABORAÍ – LENGTH – 30,400M

FEASIBILITY STUDIES, BASIC DESIGN AND CONCESSION MODELING TO PRIVATE ENTERPRISE



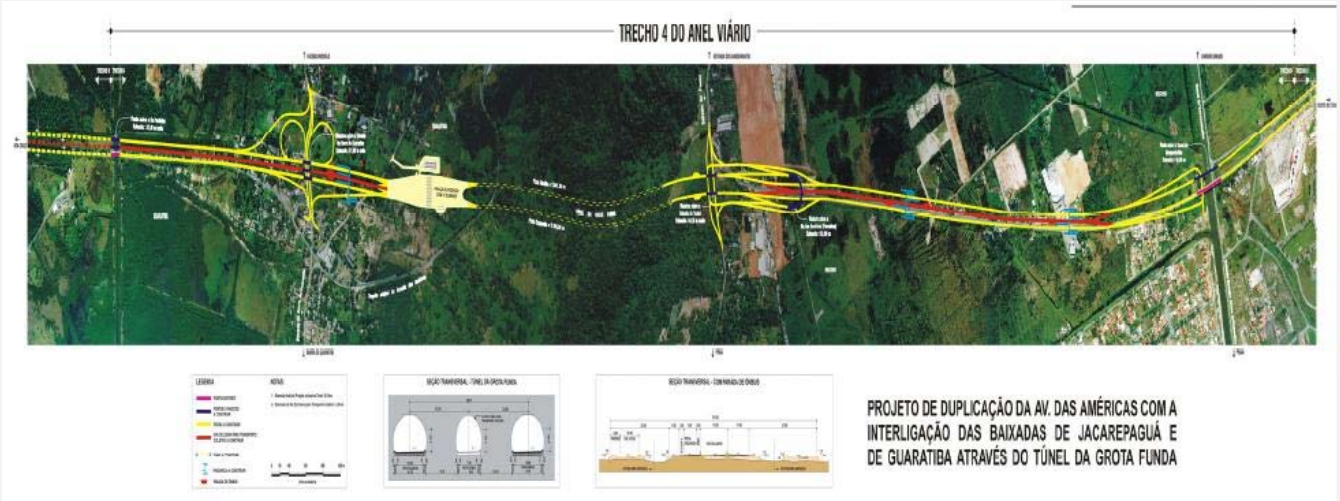
CLIENT:

SECRETARIA ESPECIAL DE TRANSPORTES DA CIDADE DO RIO DE JANEIRO

ENTERPRISE:

DUPLICATION AVENIDA DAS AMÉRICAS - GROTA FUNDA TUNNEL –LENGTH 6,900M

DETAIL ENGINEERING DESIGN



CLIENT:

CONSTRUTORA MENDES JÚNIOR S.A.

ENTERPRISE:

TERMINAL INTERMODAL OF THE BAR FOUNDS OF THE SUBWAY / SP

MATERIALS TECHNOLOGICAL CONTROL

CLIENT:

SECRETARIA DE PROJETOS ESPECIAIS DE SALVADOR - COMPANHIA DE TRANSPORTES DE SALVADOR (CTS)

ENTERPRISE:

METRO SALVADOR - LINK LAPA - PIRAJÁ – LENGHT 11,9 KM

SERVICES OF INSPECTION AND SUPERVISION OF THE CIVIL WORKS AND FIXED SYSTEMS

CLIENT:

DER/SP

ENTERPRISE:

BR-384 ROAD DUPLICATION (RODOVIA FERNÃO DIAS) – LENGTH – 22,650M

SITE SUPERVISION, TOPOGRAPHICAL AND MATERIALS TECHNOLOGICAL CONTROL

CLIENT:

DEPARTAMENTO NACIONAL DE INFRA-ESTRUTURA DE TRANSPORTES - DNIT

ENTERPRISE:

ROADS RESTAURATION – FEDERAL HIGHWAYS-PERNANBUCO

SITE SUPERVISION OF CONSTRUTION

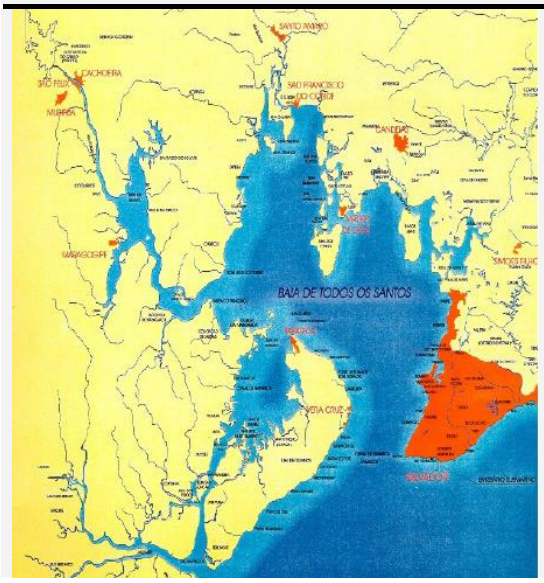
CLIENT:

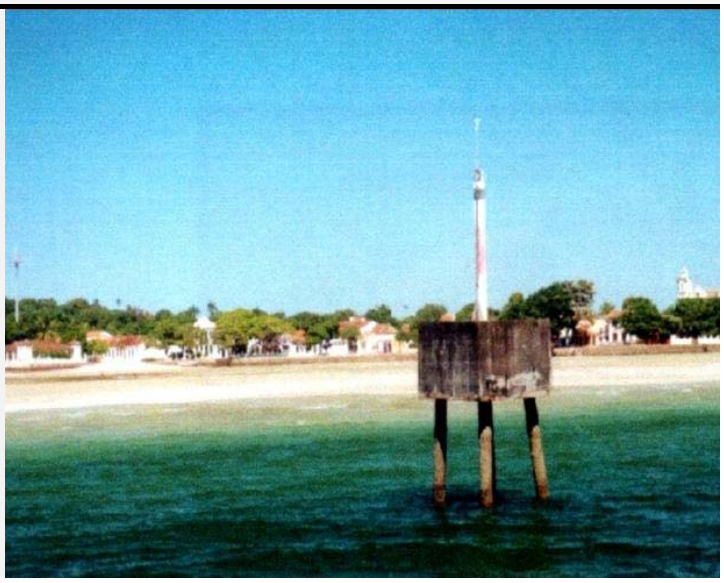
SECRETARIA DE INFRA-ESTRUTURA-SEINFRA-UNIDADE EXECUTORA DO PROGRAMA

ENTERPRISE:

ENVIRONMENTAL SANITATION PROGRAM – BAIA DE TODOS OS SANTOS –BA

TECHNICAL ASSISTANCE TO SRHSH AND SITE SUPERVISION OF CONSTRUTION





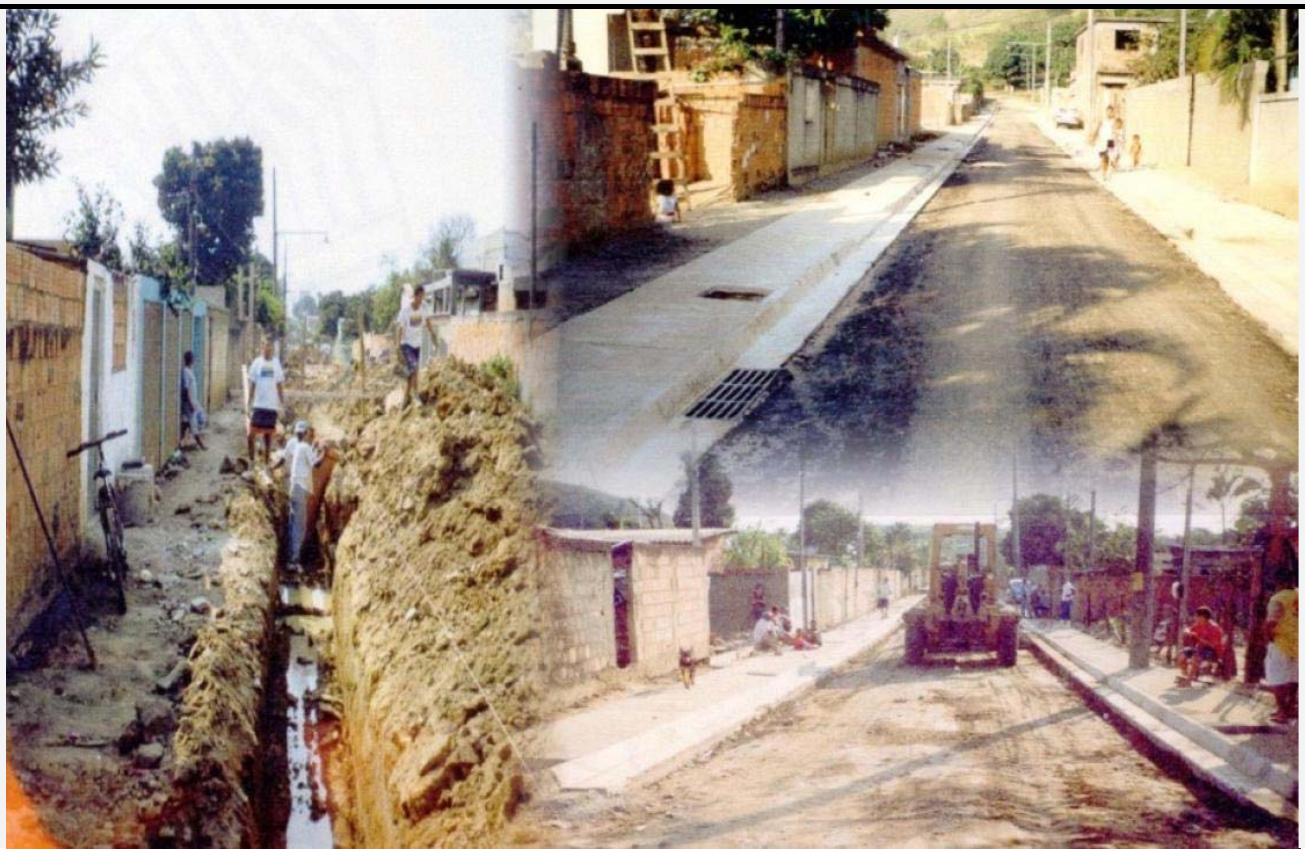
CLIENT:

SECRETARIA MUNICIPAL DE HABITAÇÃO – SMH/PCRJ

ENTERPRISE:

URBANIZATION OF POPULAR COMMUNITIES IN THE CITY OF RIO DE JANEIRO

MANAGEMENT SUPPORT TO DESIGN AND CONSTRUTION



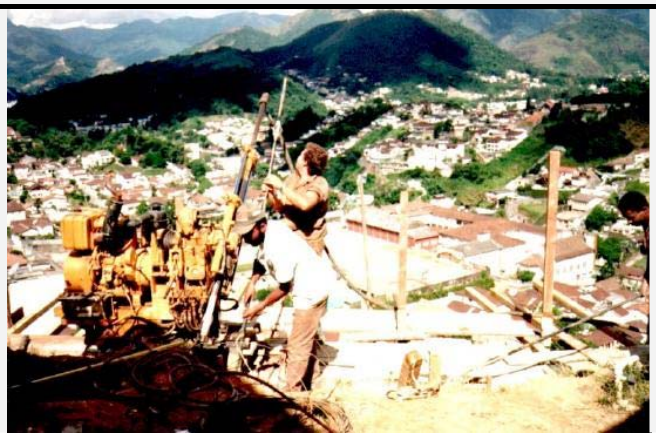
CLIENT:

PREFEITURA MUNICIPAL DE PETRÓPOLIS

ENTERPRISE:

EARTH RETAINING SLOPE STRUCTURES FOR LOTE 1, 2, 3, 5 AND 7 OF CITY OF PETRÓPOLIS - RJ

BASIC DESIGN AND SITE SUPERVISION OF CIVIL WORKS AND URBANIZATION



CLIENT:

MINISTÉRIO DA FAZENDA (RIO DE JANEIRO)

ENTERPRISE:

FINAL ENGINEERING DESIGN

CLIENT:

SISAL S.A.

ENTERPRISE:

FINAL ENGINEERING DESIGN - COMMUNICATIONS MINISTRY IN BRASÍLIA

CLIENT:

HOTELS OTHON S.A.

ENTERPRISE:

FINAL ENGINEERING DESIGN – RIO OTHON PALACE HOTEL – RIO DE JANEIRO

CLIENT:
HOTÉIS OTHON S.A.
ENTERPRISE:
FINAL ENGINEERING DESIGN - BAHIA OTHON PALACE HOTEL - SALVADOR

CLIENT:
SISAL S.A.
ENTERPRISE:
FINAL ENGINEERING DESIGN - HOTEL MERIDIEN SALVADOR (PESTANO)

CLIENT:
CONSTRUTORA ELDORADO
ENTERPRISE:
FINAL ENGINEERING DESIGN - ONDINA PALACE HOTEL - SALVADOR - BA

CLIENT:

FUNDAÇÃO VALE DO RIO DOCE DE SEGURIDADE SOCIAL – VALIA

ENTERPRISE:

CENTRO EMPRESARIAL CIDADE NOVA BUILDING - TELEPORTO RIO DE JANEIRO

CONSTRUCTION AREA –64,000M2 – POSTENSIONED SLABS 55 X 50 M - 3 UNDERGROUNDS FLOORS – DETAILED ENGINEERING DESIGN AND TECHNICAL ASSISTENCE

CLIENT:

COMPANHIA NACIONAL DE ALCALIS

ENTERPRISE:

FINAL DESIGN – EXPANSION TO 200,000 TONS OF BARRILHA

CLIENT:

COMPANHIA SIDERURGICA NACIONAL/COBRAPI

ENTERPRISE:

EXPANSION DESIGN – STAGE III AND TECHNICAL ASSISTANCE

CLIENT:

COMPANHIA SIDERURGICA DE TUBARÃO

ENTERPRISE:

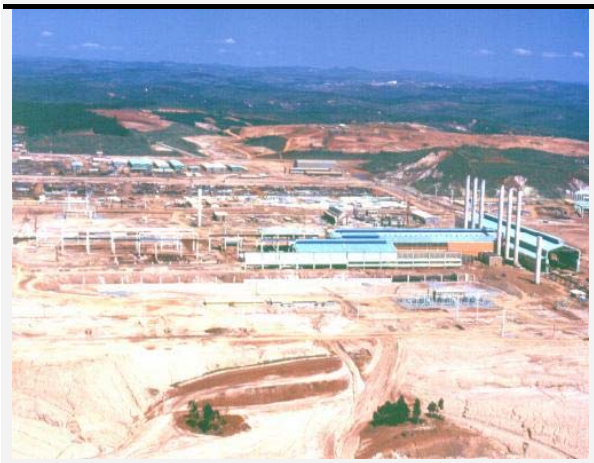
FINAL DESIGN FABRICATION BUILDING, MAINTANANCE AND AUXILIAR BUILDING – ELEVATED WATER RESERVOIR

CLIENT:

AÇO MINAS GERAIS S.A. – AÇOMINAS

ENTERPRISE:

ENGINEERING FINAL DESIGN OF RAW MATERIALS AND CALCINATION YARDS



CLIENT:

FISIBA/SISAL S. A.

ENTERPRISE:

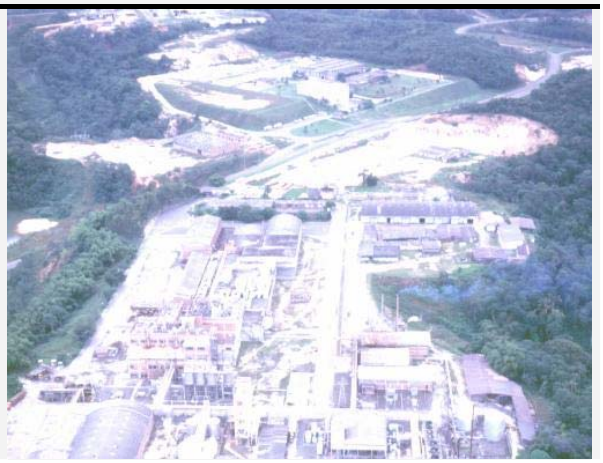
FINAL ENGINEERING DESIGN – UTILITIES AND OFFICES UNITS – TECHNICAL ASSISTANCE

CLIENT:

GRUPO SAFRON – TEIJIN/CONSTRUTORA ELDORADO

ENTERPRISE:

FINAL ENGINEERING DESIGN AND TECHNICAL ASSISTANCE – NITROGEN/OXIGEN, BTP, FABRICATION AND STORAGE BUILDINGS



CLIENT:

PREFEITURA DO DISTRITO FEDERAL

ENTERPRISE:

MARACANÃ STADIUM

FINAL DETAILED DESIGN – TECHNICAL ASSISTANCE

CLIENT:

SECRETARIA DE OBRAS PÚBLICAS DO PARÁ - SEOP/PA

ENTERPRISE:

PARÁ OLYMPIC STADIUM

FINAL STRUCTURAL AND FOUNDATION ENGINEERING DESIGN - TECHNICAL ASSISTANCE TO THE WORKS

CLIENT:

SECRETARIA NACIONAL DE IRRIGAÇÃO– DEPARTAMENTO NACIONAL DE OBRAS DE SANEAMENTO – DNOS

ENTERPRISE:

JAGUARIBE – APODI IRRIGATION PROJECT – 1,142HA

DETAIL DESIGN, MANAGEMENT, SITE SUPERVISION, EQUIPMENT INSPECTION, EQUIPMENT TEST

CLIENT:

DEPARTAMENTO NACIONAL DE OBRAS DE SANEAMENTO – DNOS

ENTERPRISE:

CHAPADA DO APODI – IRRIGATION PROJECT – 4,000HA – LIMOEIRO DO NORTE – CEARÁ

DETAIL ENGINEERING DESIGN

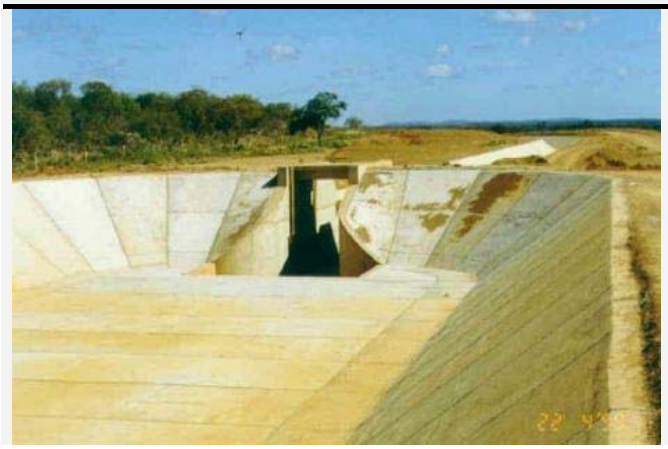
CLIENT:

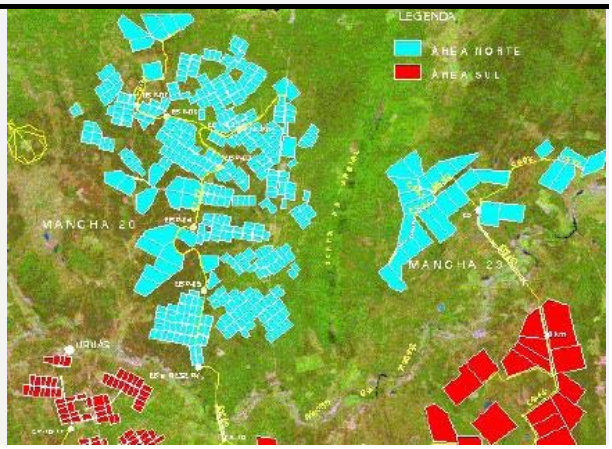
COMPANHIA DE DESENVOLVIMENTO DO VALE DO SÃO FRANCISCO - CODEVASF

ENTERPRISE:

PONTAL NORTE IRRIGATION PROJECT – 4,129HA

DETAIL ENGINEERING DESIGN AND SITE SUPERVISION OF CONSTRUCTION





CLIENT:

DEPARTAMENTO NACIONAL DE OBRAS DE SANEAMENTO – DNOS

ENTERPRISE:

CASTANHÃO DAM – JAGUARIBE RIVER - CEARÁ

DETAILED ENGINEERING DESIGN

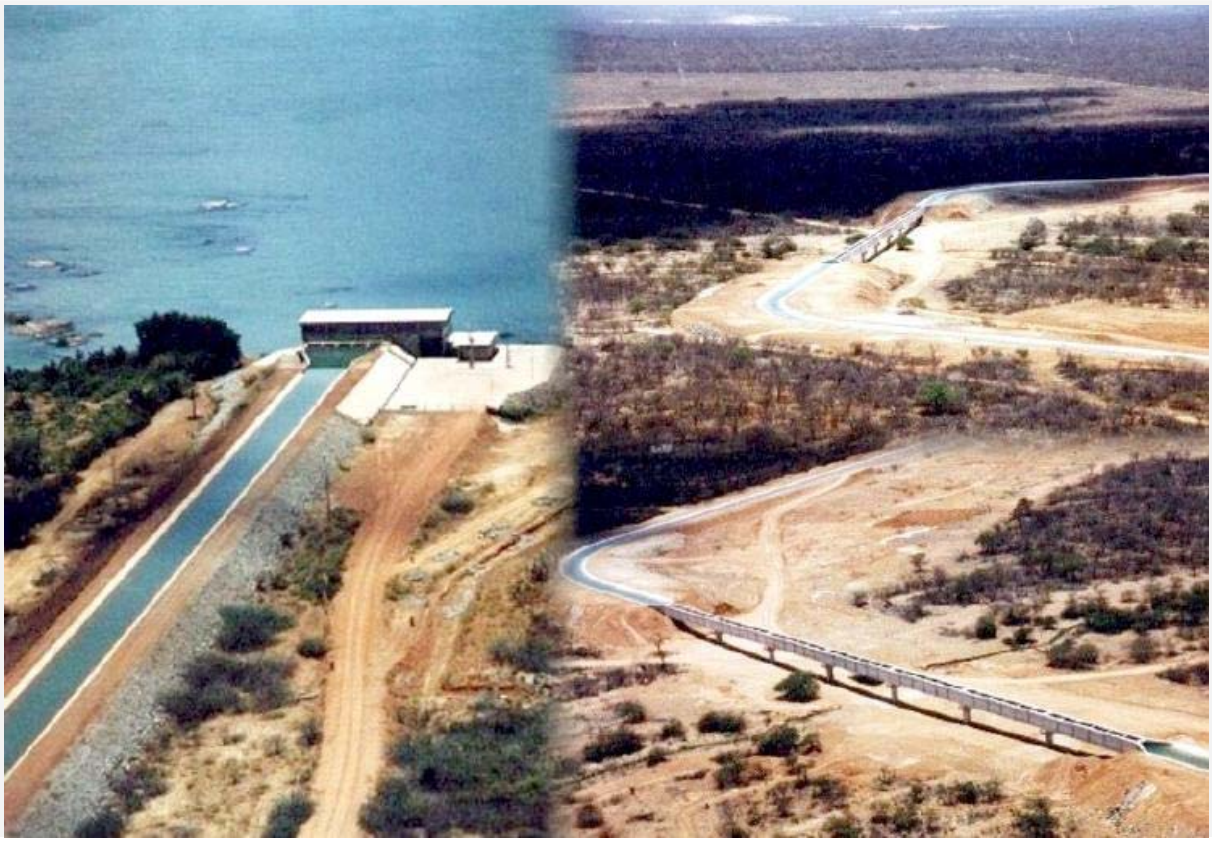
CLIENT:

COMPANHIA DE DESENVOLVIMENTO DO VALE DO SÃO FRANCISCO - CODEVASF

ENTERPRISE:

PONTAL SUL IRRIGATION PROJECT – 3,512HA

DETAIL ENGINEERING DESIGN AND SITE SUPERVISION OF CONSTRUCTION



CLIENT:

COMPANHIA ENERGÉTICA DE SÃO PAULO – CESP

ENTERPRISE:

FLOATING POSTENSIONED CONCRETE GUIDE FOR MARIO LOPES LEÃO HYDRO ELETRIC SISTEM –LENGHT – 109.60M

BASIC AND FINAL DETAILED DESIGN-TECHNICAL ASSISTANCE

CLIENT:

CONSTRUTORA MENDES JUNIOR

ENTERPRISE:

CARAPEBA 2 - OFFSHORE PLATFORM – 87M WATER DEPTH

DETAILED DESIGN – TECHNICAL ASSISTANCE TO FABRICATION AND CONSTRUCTION STAGES

CLIENT:
PETROBRÁS S.A.
ENTERPRISE:
OFFSHORE STEAL PLATFORMS FOR 60M TO 150M WATER DEPTHS
BASIC AND FINAL ENGINEERING DESIGN

CLIENT:
PETROBRÁS S.A.
ENTERPRISE:
STRENGHTENING OF FIXED OFFSHORE PLATFORMORS
BASIC AND FINAL ENGINEERING DESIGN

CLIENT:
PORTOBRÁS S.A.
ENTERPRISE:
EXPANSION AND MODERNIZATION OF RECIFE PORT - PERNAMBUCO
PRELIMINARY STUDIES AND DETAILED ENGINEERING DESIGN