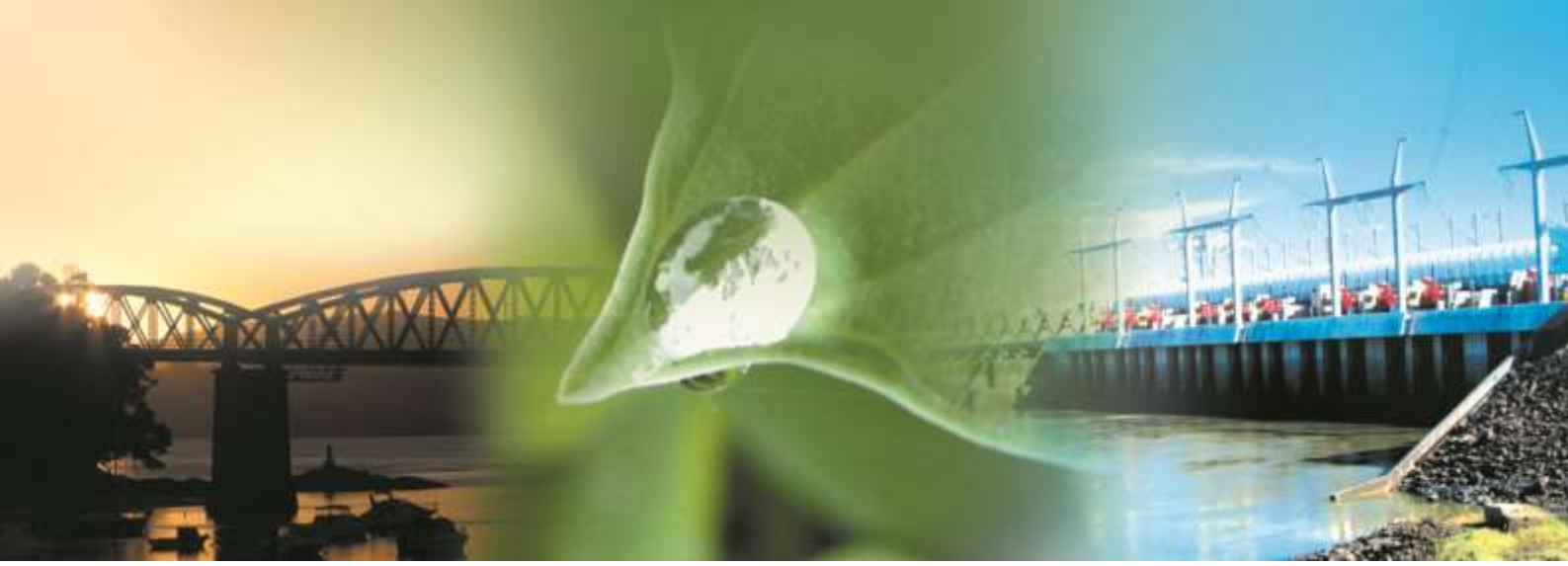

SORS

- CORPORATE BACKGROUND
- BOARD MEMBERS' PROFESSIONAL BACKGROUND
- MAIN CLIENTS
- LATEST ASSIGNMENTS

Viamonte Nº 885 5º - C.P. 1053 - Buenos Aires - Argentina - Tel. y Fax: (54 11) 4326-0881 - 4393-1522
E-mail: sors@sors.com.ar - Web: www.sors.com.ar

CORPORATE BACKGROUND

Throughout more than 25 years doing business, SORS S.A. has grown on the basis of a highly qualified staff, with plenty of experience in the fields of infrastructure and environmental issues.
The company has been entered in the General Registry (Inspección General de Justicia) under number 5175, book 100 Tome A of Corporations, on June 21, 1985.

SORS EXPERTISE

ENVIRONMENTAL

- Environmental impact surveys for hydroelectric, energy and transportation projects, as well as infrastructure in general and large urbanization undertakings.
- Auditing of major corporate groups, particularly in industries related to electricity, oil, gas, pharmaceuticals and chemicals.
- Surveys and projects on water treatment and industrial effluents.

WATER / HYDRAULICS

- Studies on water services, waterworks, sewer and stormwater systems and network projects.
- Surveys and projects on hydraulics and hydroelectricity.

ENERGY

- Our board members and staff members have been actively involved in every area of the energy business. This resulted in our company's presence in the management of units within the sector.
- Technical-financial studies of business units, mathematical models, electric installation projects, feasibility and investment studies and those related to project design and operation of hydro power stations, plus the preparation of tender documents, agreement and trusteeship models for private initiatives and concessions.

TRANSPORTATION / TRAFFIC

Studies and projects on roads, railroads, waterways, ports and the planning of regional systems.
Creation and support of private initiative in the road connection between Brazo Largo – Nueva Palmira, for the development and public works concession of an international bridge between Argentina and Uruguay.

In addition to our permanent professional staff, other qualified professionals and related companies cooperate with us when a special job so requires. Thus we have been

delivering high-standard service through the years to meet the expectations of the most demanding clients.

Ing. Luis José Flory
Chairman

Ing. Luis José FLORY

Chairman of the board

Born in Buenos Aires, Argentina in 1948, attended high school at Colegio Nacional Buenos Aires and graduated as a Civil Engineer at the School of Engineering, University of Buenos Aires, where his major field of studies was Hydraulics.

Fluent in French, Mr. Flory took graduate courses in Paris and Grenoble, France on Run-of-river Hydro Power Stations.

As a consultant, he supervised and organized works on global energy planning, regional water supply, transportation, as well as technical-economic-financial feasibility studies on hydro, electric power, transportation and water projects, studies of environmental impact of large hydroelectric projects, city planning and infrastructure, environmental audits, institutional upgrade, privatization and State reform. Mr. Flory has been responsible of several projects in the areas of transportation water supply and sewer, and has plenty of experience as project manager, multi-disciplinary team leader in consulting jobs, both for private organizations and government agencies.

Career highlights

His career includes a number of public jobs, namely National Energy Under Secretary, National Water Resources Under Secretary, National Director of Naval Activities, counselor of different national and international agencies, consultant expert for the Supreme Court of Justice in cases involving flooding in the province of Buenos Aires, Chairman of the Drafting Committee of Decree 674/89 (on water contamination control), Chairman of the Argentine Committee of Regional Electric Integration (which gathers electric companies in Latin America). President of the Federal Council of Electric Power.

During his tenure as Energy Under Secretary the agency where he served produced the Hydro Power Stations Environmental Management Handbook (1987). Mr Flory was a member of the Argentine delegation in the negotiation of a tri-nation agreement on Corpus and Itaipu, where he proposed, developed, applied and implemented the “navigation parameters”, a major theoretical and environmental development that served as the cornerstone of the agreement entered by Argentina, Brazil and Paraguay. He proposed and promoted a road connection between Brazo Largo and Nueva Palmira, a private initiative by SORS consisting of an international bridge between Argentina and Uruguay.

Experience as a professor

Mr. Flory was professor of Hydraulic Power Stations at Universidad de Belgrano, assistant professor of Hydraulic Power Stations at Universidad de Buenos Aires, and assistant professor of Water Resources Planning II at Universidad del Litoral. He has lectured in several courses in both local and foreign organizations. He has written a number of technical papers on energy, -related topics, transport, environmental, privatization processes and State reform.

Ing. Martín LASCANO
Vice-Chairman

Born in La Plata, Buenos Aires, Argentina in 1950. Graduated as a Civil Engineer at the School of Engineering, University of Buenos Aires, where his major field of studies was Hydraulics.

Mr. Lascano took graduate studies on river hydraulics and system analysis, as well as several courses about the regulation, performance and control of private management of public services in the area of water and clean-up.

He represented Argentina before the South American Technical Advice Committee (SAMTAC), belonging to the Global Water Partnership – GWP.

Mr. Lascano has recently served as Vice-President and President of the Federal Association of Water an Sanitation Regulation Organizations of Argentina (AFERAS). A founding member of the Association of Water and Sanitation Regulation Organizations of the Americas (ADERASA), Mr. Lascano has been serving as a director of the agency since its creation. He has also been an adviser in public services at Consumers International.

As a consultant in matters related to water services (water supply and wastewater collection and treatment), he has conducted a number of surveys on information, diagnosis, and legal feasibility, as well as institutional, technical and financial studies. He has worked in the preparation of private initiative proposals for the concession of works and services; project design, calculation, budget and execution of works; preparation of technical-economic tender documents; advice to contracting entities; study and management of works financing; drafting of sanitary facilities operation and maintenance handbooks; master plan design.

Career highlights

President of the Tri-party Organization of Water and Sanitation Services – ETOSS, the agency that regulates and controls water and sanitation services in the Greater Buenos Aires area. Secretary of Water Resources of Argentina (he drafted and implemented the “National Sanitation Plan 1988-2003”). General Administrator of the National Service of Drinking Water and Sanitation. Head of the advisor team in the Public Works and Services Undersecretariat, Buenos Aires Municipality. Advisor on transformation aspects of the National Sanitation Plan. Responsible of the coordination of the development and implementation of the Permanent System of Information on Sanitation (SPIDES), National Water Resources Undersecretariat.

Contract Administration Manager and responsible of the coordination of the Committee on Province Work Contingency Studies at the National Waterworks Agency, (OSN). Appointed to the inspection and direction of a number of works at Entidad Nacional Yaciretá. Member of the Planning Department at Water and Electric Power (AyEE). He also conducted surveys on drinking water and Sanitation as a consultant of international agencies and organizations, e.g. Inter-American Development Bank, UNICEF, UNDP.

- AES CORPORATION from Virginia, USA (**)
- AGUAS ARGENTINAS
- AGUAS PROVINCIALES DE SANTA FE ARGENGAS S.A.
- ASTRA C.A.P.S.A.
- AUTOPISTAS URBANAS S.A. (AUSA)
- BABIC SACeI
- BIOFARMA S.A. (Gador)
- BOOI & CO. from Dallas, USA
- CENTRAL PUERTO S.A. (*)
- CENTRAL TERMICA SAN NICOLAS S.A.
- COMITÉ EJECUTOR DEL PGA MATANZA - RIACHUELO (*)
- COMPAÑIA GENERAL DE COMBUSTIBLES S.A.
- CONEVIAL S.A.
- CORPORACIÓN AMÉRICA S.A. - CASA
- ELECTROMETALURGICA ANDINA S.A.
- ENTE NACIONAL REGULADOR DE LA ELECTRICIDAD
- ENTE PROVINCIAL DE ENERGIA DEL NEUQUEN
- ENSERCH CORPORATION Dallas, USA
- FEDERACIÓN DE COOPERATIVAS ELÉCTRICAS DEL CHUBUT
- FUNDACIÓN BARILOCHE
- GADOR S.A.
- GOBIERNO DE LA CIUDAD DE BUENOS AIRES
- HELPORT S.A.
- HIDROACONCAGUA S.C.C.
- HIDROELECTRICA ALICURA S.A. (*)
- HOUSTON LIGHTING & POWER CO from Houston, USA (**)
- HYDRO-QUEBEC INTERNATIONAL from Canadá (**)
- INGENIO LEDESMA S.A. (*)
- INDUSTRIAS METALURGICAS PESCARMONA SA (IMPSA)
- IRSA
- JOCKEY CLUB A.C.
- ORMAS S.A.
- OVERSEAS PRIVATE INVESTMENT CO. OPIC, Washington D.C., USA (*)
- PACIFIC ENTERPRISES INTERNATIONAL, Los Angeles, USA
- PANEDILE ARGENTINA SA
- ROEMMERS S.A.
- R. W. BECK from Boston, USA (*)
- SIEMENS S.A. (*)
- TELECOM

(*) SORS acting as a sub – contractor.
(**) Sharing a consortium with our direct client.

Los Ríos Project – Republic of Chile (2012 – in progress)

Requested by. Hidroaconcagua S.C.C.

Los Ríos project consists of three developments, namely Pellaifa (108 MW), Reyehueico (33 MW) and Liquiñe (112 MW). These are high mountain projects, including underground powerhouse caverns and major tunnel works.

The job under way consists of reviewing existing technical documents, comprising both basic information on hydrology, geology, topography, etc. and engineering projects plus environmental studies. It also encompasses the programming of necessary activities during the next stages within the area of engineering, field work and environmental studies, and the drafting of Terms of Reference for the First Stage of Field Studies and the Engineering Draft Project, so that the Executive Project could be properly developed and the works contracted.

Hydroelectric power plants, Santa Cruz river (2007-2008)

Requested by: IMPSA Consortium, Corporación América, Camargo Correa

Draft project for the tender of the hydroelectric power plant of Condor Cliff and la Barrancosa, on the Santa Cruz river, with a total capacity of 1740 mw.

Works consisted of three alternative draft projects leading to the preparation of tender documents for the construction of the "Hydroelectric use Condor Cliff – La Barrancosa" in Santa Cruz, Argentina, comprising two dams with loose rocks and a concrete screen, working in a serial pattern. Condor Cliff hydro power station will use six 190 MW Francis turbines and La Barrancosa will use five 120 MW Kaplan turbines.

Background information was collected, supplementary field studies were supervised, and draft projects were executed. The latter comprised river detour, foundation work, dam, fish ladder, tool store, camp site, access roads and other components of both utilizations comprising reports, blueprints, estimates and budget, as well as environmental impact studies and environmental management plans.

Closing of the Chimiray stream within the Project Alto Uruguay - (2005)

Requested by: INDUSTRIAS METALÚRGICAS PESCARMONA S.A. (IMPSA)

Technical alternatives were evaluated for the closure and defense of Chimiray stream basin, marking the boundary between the provinces of Corrientes and Misiones. The stream is a right bank tributary of Uruguay river, flowing upstream of the Garruchos port in Corrientes province, and upstream of the Garabi dam, one of the closures planned for the Alto Uruguay hydroelectric proyect.

Iniciativa Privada para el Aprovechamiento Hidroeléctrico Alto Uruguay (2004)

Requested by: INDUSTRIAS METALÚRGICAS PESCARMONA S.A. (IMPSA)

Screening of the most convenient solution from a technical, economic and environmental standpoint was carried out. Documents were drafted to be submitted to the proposal of Private Initiative for the hydroelectric utilization of the upper Uruguay river.

In the preparation of this project located on the Uruguay river, an original alternative was developed based on the use of the falls between Garabi and Moconá waterfall. A division into three phases was proposed for the falls. Phase 1: Garabi closure. Phase 2: San Javier closure. Phase 3: Santa Rosa closure.

Thus, a plan for a utilization in the boundary section of the Uruguay river between Argentina and Brazil was analyzed, with low-fall dams forming very small locked reservoirs, keeping the runoff rate, a short time of water in the reservoir, and steep banks. Jumps were selected so that dams would be located upstream from populated areas and side tributaries, with a low reservoir height, so that communities and infrastructure would not be affected, and also to prevent overflow.

Together, the three phases have an installed capacity of 2,600 MW, with 13,800 GW/hr/yr annual power generation average, and 73,000 hectares (183,000 acres) aggregate reservoir area.

As a result of the study, SORS has provided all the information and documents necessary to support and justify the submittal of a private initiative before national authorities.

Study of alternatives of the Hydroelectric Power Plant, Garabi (2003)

Requested by: INDUSTRIAS METALÚRGICAS PESCARMONA S.A. (IMPSA)

An analysis of alternatives and Private Initiative proposal justification for the hydroelectric utilization of Garabi on the Uruguay river (installed capacity 1,800 MW) was conducted. The study consisted of a technical and legal survey of background data and information regarding Garabi project, the analysis of different alternatives of the project, cost comparison, financial and economic evaluation, power generation estimate under different scenarios and environmental impact to be expected.

Drafting of the "Integrated plan for sustainable development in the Copahue-Caviahue thermal water area" (2003)

Requested by: MINISTRY OF THE ECONOMY - WORKS

The drafting includes a detail of the project purposes, financing and expected results. Also the tasks to be performed by the future Consulting firm: Data collection, field work, properties of thermal water resources, diagnosis of the existing situation, study and projection of the supply and demand of services, expansion plan for Copahue-Caviahue, environmental impact, financial and economic evaluation, legal framework, contract and tender documents.

Evaluation of bidding proposals submitted in the Chihuido II Tender (2002/2003)

Requested by: MINISTRY OF ECONOMY, WORKS AND PUBLIC SERVICES - PROVINCE OF NEUQUÉN

SORS evaluated the bidding proposals submitted in the "National and International call for bids for the construction, financing, operation, exploitation and maintenance of the Hydroelectric and Agro-Industrial Utilization known as Chihuido II".

The study consisted of the evaluation and screening of bids, which included corporate, financial, and technical data, as well as background and general information

The analysis comprised corporate data and financial solvency, technical proposal of the Hydroelectric Power Plant (including the step-up station and the trunk connection for the irrigation system) and the technical proposal of the Agro-Industrial Utilization. Also the financial bidding was reviewed, as it included an evaluation of the incidence of domestic supplies.

Drafting Chihuido II tender documents (2001/2002)

Requested by: MINISTRY OF ECONOMY, WORKS AND PUBLIC SERVICES - PROVINCE OF NEUQUÉN

SORS prepared the tender document for the Chihuido II hydroelectric and agro-industrial complex (investment amount expected: 375 million pesos; minimum installed capacity: 228 MW; irrigation area: 7,000 hectares [7,300 acres]; nearby towns: Cutral-Có and Plaza Huincul).

Generation at Itaipu and hydraulic operation of Corpus Christi reservoir (2001)

Requested by: NATIONAL ENERGY SECRETARIAT

A simulation was performed involving the hydraulic operation of Corpus reservoir, under the influence of daily operation at Itaipu and Corpus power stations. Different scenarios were analyzed to determine the operation conditions of both plants with restrictions imposed by navigation parameters included in the Three-party Agreement signed by Argentina, Paraguay and Brazil. A parameter of the peak power generated by Itaipu was drawn under different hydro and operational conditions that included eventual variations. Also the operation of Itaipu was simulated at peak conditions, with 18 turbo-generators (maximum power in the Three-party Agreement) and with 20 turbo-generators installed. Studies were conducted by applying a hydro-dynamic model on the Paraná river, in the section between Itaipu and Corpus.

Hydraulic survey on La Teja Refinery, Montevideo, Uruguay (2000)

Requested by: TECHINT SACI

SORS conducted a hydraulic survey of landfill "La Teja Refinery Expansion Project", Montevideo, Uruguay.

A study comprising Montevideo Bay tides and waves was developed in order to see that the structure proposed for one of the elements in the Remodeling Project for La Teja Refinery belonging to Administración Nacional de Combustibles, Alcohol y Portland (ANCAP) had no significant influence on the shore dynamics. Also the landfill was designed, establishing the crowning height, side slopes and shield characteristics that ensure stability.

Bid evaluation for Los Chihuidos and Lolol Có (2000)

Requested by: ENERGY UNDERSECRETARIAT, PROVINCE OF NEUQUÉN

SORS evaluated bids for "National and International call to investors for bids to develop the hydroelectric and agro-industrial Los Chihuidos and Lolol Có".

Based on the SORS report, the provincial government made a final decision on a tender where first-rate holdings following international standards participated; the decision was not challenged.

Detailed engineering and work direction at Dolieras duct (1999/2000)

Requested by: HIDROPROYECTOS S.A.

Detailed engineering and work direction of Dolieras duct (Baradero, Buenos Aires) were performed for La Spezia SA construction company. The work consists of a 846-mt long reinforced concrete gravity duct for a 10m^3/sec flow rate from alluvial and rainwater, including state-of-the-art works such as stilling pool, inspection posts, etc.

Engineering and work direction of a dam and drain of a breeding place property of Establecimiento Assandri, Venado Tuerto, Santa Fe (2000)

Requested by: AGRO-PER SRL

Engineering and work direction of a dam, internal roads and soil movement for Estancia "7 Robles", Venado Tuerto, Santa Fe (2000)

Requested by: AGRO-PER SRL

Engineering and work direction of embankments at Rufino Municipality, Santa Fe (1999)

Requested by: AGRO-PER SRL

Hydraulic evaluation of bridges on Provincial Route 2 (1999)

Requested by: UNIDAD EJECUTORA PROVINCIAL (UEP), PROVINCE OF MISIONES

Program 1.EE.58. Hydraulic evaluation of bridges on provincial route 2 in Misiones. Hydrologic and hydraulic study of bridges over Alipio, Once Vueltas and Barra Tarta streams.

Engineering and work direction of a dam, roads and soil movement for Estancia "La Oriental", La Cesira, Córdoba (1999)

Requested by: AGRO-PER SRL

Engineering and work direction of a dam, internal roads and soil movement for Estancia "Los Corrales", Canals, Córdoba (1998)

Requested by: AGRO-PER SRL

Private Initiative "Brazo Largo – Nueva Palmira road connection" (1997 – revised in 2004)

Submitted before: PUBLIC WORKS SECRETARIAT

In a preliminary stage, hydraulic studies of this project have contemplated hydraulic aspects so as to confirm that water runoff was not affected in the Entre Ríos upper delta. Different scenarios with uncommon flooding of Paraná, Uruguay and Río de la Plata (south-east) rivers were analyzed. Also, exhaustive field and drawing room surveys were performed, analyzing the present scenario and a projection including the works.

Notice: Read more in the "Transportation" section.

National Route 40 relocation: Belén river hydraulic study (1997)

Requested by: TECHINT S.A.C.I.

Hydraulic survey of Belén river in Catamarca, to check the national route 40 relocation works at Quebrada de Belén.

Mathematical models were employed to evaluate runoff conditions in the narrow sections.

An estimate of general riverbed erosion and the potential erosion and stability on an embankment was performed, and likely areas for material disposal were determined.

Engineering and work direction of a dam for the Waterworks Cooperative, Venado Tuerto, Santa Fe (1995)

Requested by: AGRO-PER SRL

Hydraulic design and work direction were performed for the construction of a dam to discharge dump septic tank trucks, Waterworks Cooperative, Venado Tuerto, Santa Fe.

Viamonte Nº 885 5º - C.P. 1053 - Buenos Aires - Argentina - Tel. y Fax: (54 11) 4326-0881 - 4393-1522
E-mail: sors@sors.com.ar - Web: www.sors.com.ar

Study on rainwater drain at the sports grounds, Jockey Club (2010)

Requested by: Jockey Club A.C.

The study was conducted to find out the cause of drain difficulties, so as to establish the most efficient alternatives to solve the problem on the grounds. As a result of the work a diagnostic report was issued on the reason for existing difficulties and a proposal for a technical and financial solution was submitted, along with a preliminary development (project inventory level) of the proposed solution, and a cost estimate of the project.

Execution of projects, contracting terms and work direction, "SEWERS, WATERWORKS AND UNDERGROUND ELECTRIC DISTRIBUTION NETWORK, GOLFER'S COUNTRY CLUB" (2006 a 2007)

Requested by: Golfer´s Country Club

A study of alternatives for drinking water production, distribution networks, sewer uptake and treatment and effluent disposal, as well as a network of underground electrical power distribution. Then ran the final design and the tender document for the system provision water by pumping, water distribution network, sewerage and effluent treatment plant.

Technical audit, Aguas Argentinas SA (2000 a 2004)

Requested by: Aguas Argentinas SA - JVP SA

During a 4-year period, SORS conducted the technical audit at Aguas Argentinas SA, with a 50% share in the venture of consultants responsible of the audit.

The client is the concessionaire of drinking water production and distribution services, as well as the collection of waste water and sewer in the City of Buenos Aires and the largest portion of the suburban belt.

At the beginning of the concession the company was serving more than 9 million people, with a 70% share in waterworks and a 58% share in sewers. The audit aimed at checking the appropriate methodology of service operation, including the adequate maintenance of facilities and their functionality. Projects and work executions were also audited.

Annual plans for technical audits were established to check the operation and maintenance of projects and works required to meet the goals

Drinking water network and sewer design in the Greater Buenos Aires area (1999-2001)

Requested by: AGUAS ARGENTINAS - HAGLER BAILLY

The job consisted of network design, project, technical and financial analysis and the draft of tender documents for the execution of the drinking water and sewer service extension works in different areas of the Buenos Aires suburban belt.

This job lasted 26 months; during this term SORS SA had a fully equipped project team, made up by 12 professionals, technical auditors and administrative personnel, designers, etc.

Particularly, every section of the project was a job in itself, and such as the following:

1. Preliminary detailed project: Secondary network for drinking water, Monte Grande.

Esteban Echeverría county: Advanced draft project and technical specs. A secondary network for the town of Monte Grande, divided into sections, namely “Monte Grande 2” and “Monte Grande 3”, Esteban Echeverría county. The draft project for the “Monte Grande 2” section is a secondary network consisting of pipes ranging from 110mm to 315mm in diameter, and 90mm-diameter distribution pipes. Total length of pipes is 72,475mt, and the area to be served covers 4.22 km^2.

Work cost is AR$ 2,064,593.54 plus VAT.

The “Monte Grande 3” section has pipes ranging from 110mm to 315mm in diameter, and 90mm to 100mm-diameter distribution pipes. Total length of pipes is 34,200mt, and the area to be served covers 2.27 km^2.

Work cost is AR$ 4,091,760.97 plus VAT.

2. Preliminary detailed project and tender documents, Ituzaingo-Merlo Gomez main for the expansion of the drinking water network.

Morón county:

Detailed draft project of works, tender document and technical specs.

Draft project main conduct extends along 4,750mt, has a class-10 pipe ND 900mm, the material used is fiberglass-reinforced polyester (PRFV), with a strength of 2,500N/m^2. The area to be served has a population of 222,412 people. The work included in the tender document was the installation of piping main.

Work cost is AR$ 2,769,766 plus VAT.

3. Preliminary detailed project and tender documents, Hurlingham-Tesei main for the expansion of the drinking water network.

Draft project main extends along 4,100mt, has a pipe ranging from ND 600 to ND 700mm, the material used in both sizes is fiberglass-reinforced polyester (PRFV), with a strength of 2,500N/m^2, PN 10. The area to be served has a population of 82,405 people in Villa Tesei, 35,602 people in Hurlingham, and 16,000 people in Parque Quirno.

The tender document for this work in the counties of Morón and Hurlingham was also drafted.

Work cost is AR$ 1,741,762 plus VAT.

4. Preliminary detailed project, Tesei main for the expansion of the drinking water network.

Hurlingham county: Draft project main extends along 1,990mt, has a pipe ranging from ND 600 to ND 700mm, according to section; the material used in both sizes is fiberglass-reinforced polyester (PRFV), with a strength of 2,500N/m^2, PN 10.

The area to be served has a population of 88,256 people in Villa Tesei and 35,362 people in Hurlingham.

Work cost is AR$ 764,903.07 plus VAT.

5. Preliminary detailed project: Primary Tesei-Stage I for the expansion of the drinking water network.

Primary Tesei – Stage I extends along 4,539mt, has a pipe ranging from ND 355 to ND 600mm. Material for the 355mm section is class-10 PVC, and for 400mm section or larger is fiberglass-reinforced polyester (PRFV), with a strength of 2,500N/m^2. Structure design test pressure for the conduit in the ditch was 7.5kg/cm^2.

Work cost is AR$ 967,016.07 plus VAT.

6. Preliminary detailed project: Primary Tesei-Stage II for the expansion of the drinking water network.

Primary Tesei – Stage II extends along 3,251mt; diameters and materials are the same as in Stage I. Structure design test pressure for the conduit in the ditch was 7.5kg/cm^2.

Work cost is AR$ 547,009.10 plus VAT.

7. Preliminary detailed project: Secondary Tesei-Stage I for the expansion of the drinking water network.

Secondary Tesei – Stage I starts at the connection with the project named Primary Tesei-Stage I. The area to be covered has an extension of 4.92km^2. Network consists of PEAD-PN8 pipes, with diameters ranging from 110mm to 315mm and distribution pipes are 90mm in diameter. Total length of piping is 71,420mt.

Work cost is AR$ 3,838,240.58 plus VAT.

8. Preliminary detailed project: Secondary Tesei-Stage II for the expansion of the drinking water network.

Secondary network in the preliminary project consists of PEAD-PN8 pipes, with diameters ranging from 110mm to 315mm and 90mm-diameter.distribution pipes.

are 90mm in diameter.

Total length of piping is 60,810mt and the area to be covered has an extension of 3.45km^2.

Work cost is AR$ 3,386,173.20 plus VAT.

9. Preliminary detailed project and tender documents, Turdera Pumping Station for the expansion of the drinking water network.

Lomas de Zamora county.

The area to be served has an extension of 0.88km^2, with a population of 5,524 people, according to the 1991 census. Flow rate is 30.5l/s. To prevent sewer system overflow in the event of power cutout and/or system failure, the installation of a ND 315mm sewer channel was executed.

Work cost is AR$ 106,686.59 plus VAT.

Tender document was drafted for this work.

10. Tender document for the work: Sewer system expansion, Turdera district.

Lomas de Zamora county.

Tender document, Special Conditions and Technical Specs.

11. Preliminary detailed project and Tender document: Secondary Turdera network for the expansion of sewer system.

Preliminary project includes the construction of a secondary network through the installation of sewer channels in ND 200mm and 300mm and also the installation of 15,830mt of sewer PVC pipes. The area to be covered has an extension of 0.88km^2 and a population of 5,524 people, according to the 1991 census.

Work cost is AR$ 1,816,775.65 plus VAT.

Tender document was drafted for this work.

12. Preliminary detailed project and Tender document: Main/Gravity Turdera district for the expansion of sewer system.

Lomas de Zamora county.

Preliminary project consists of the construction of a Class-10 PVC pressure duct main, ND 200mm, up to a manhole from where a ND 315mm PVC sewer channel conveys effluents to the discharge point. The area to be covered has an extension of 0.88km^2 and a population of 5,524 people, according to the 1991 census.

Work cost is AR$ 321,815.82 plus VAT.

Tender document was drafted for this work: Main/Sewer channel, Turdera district.

13. Preliminary detailed project and tender documents, Pumping Station/Main – Sewer channel Piñeyro district for the expansion of the sewer system.

Lanús and Avellaneda counties.

The preliminary project consists of the installation of a modular pumping station, with a main ND 200mm pipe, and passing a manhole, continues with a DN 315mm gravity pipe. The area to be served has an extension of about 0.49km^2, with a population of 3,712 people, according to the 1991 census.

Work cost is Pumping Station AR$ 90,394.79 plus VAT; Main/Gravity sewer channel AR$ 34,365.52 plus VAT.

Tender document was drafted for this work.

14. Preliminary detailed project and tender documents, Secondary Network, Piñeyro district for the expansion of the sewer system.

The preliminary detailed project consists of the construction of a secondary network through the installation of sewer channels ND 200mm and ND 315mm. A 12,109mt-long PVC sewer pipe will be installed, covering an area of 0.49km^2, to serve a population of 3,736 people.

Work cost is AR$ 2,892,197.30 plus VAT.

Tender document was drafted for this work.

15. Preliminary detailed project and tender documents, Secondary Network, Obranor district for the expansion of the sewer system.

The preliminary detailed project consists of the construction of a secondary network serving 9,013 people according to the 1991 census.

Work cost is AR$ 1,751,701.63 plus VAT.

16. Preliminary detailed project and Tender document: Main/Gravity Obranor district for the expansion of sewer system.

Lomas de Zamora county.

Preliminary project consists of the construction of a Class-10 PVC pressure duct main, ND 250mm, from a pumping station to a ND 315mm PVC sewer channel that conveys effluents to the discharge point. The area up to the pumping station has an extension 1.29km^2 and a population of 9,013 people, according to the 1991 census.

Work cost is AR$ 620,701.59 plus VAT.

17. Preliminary detailed project: Sewer channel, Obranor district.

Preliminary project consists of the construction of a ND 315mm to prevent road discharge of effluents in the event of a power cutout or pumping station service failure. The conduit conveys effluents from the pumping station to Arroyo del Rey. Approximate length is 190mt.

Work cost is AR$ 22,115.91 plus VAT.

18. Preliminary detailed project, Pumping Station, Obranor district for the expansion of the sewer system.

Preliminary project consists of the construction of a pumping station. Effluents conveyed to the pumping station pit are driven by underwater electric pumps to a manhole, where a ND 315mm PVC sewer channel starts. Basin comprises an area of 1.29km^2, and has a population of 9,013 people, according to the 1991 census.

Work cost is AR$ 198,149.99 plus VAT.

19. Preliminary detailed project and tender documents, Secondary Network, Villa Vetere district – Stage I for the expansion of the sewer system.

Preliminary detailed project consists of the construction of a secondary network through the installation of sewer channels ND 200mm and ND 315mm, both variable in depth. A 1,530mt-long PVC sewer pipe will be installed, covering an area of 0.55km^2, to serve a population of 4,211 people.

Work cost is AR$ 1,327,951.63 plus VAT.

Tender document was drafted for this work.

20. Preliminary detailed project and tender documents, Secondary Network, Villa Vetere district – Stage II for the expansion of the sewer system.

Preliminary detailed project consists of the construction of a secondary network in two sections, one leading to a pumping station, from where effluents are driven to a manhole, where a gravity channel collects material from different stretches forming the second section.

Secondary network drafted contemplates the installation of ND 200mm and ND 315mm PVC sewer channels.

The area to be served has an extension of 2.39km^2 and a population of 20,464 people, according to the 1991 census.

21. Tender document for Sewage works: Secondary Network Villa Vetere district – Stage II –Network merging to pumping station.

Tender document for this work includes Special conditions, Price quotation sheet, Drawings, Attachments, Soil reports, Interference, General technical specs, Annex I – Procedure for Environmental protection and control, Particular technical specs, Sample drawings.

22. Preliminary detailed project: Main/Gravity Villa Vetere district, Stage II for the expansion of sewer system.

Preliminary project consists of the construction of a Class-10 ND 250mm PVC pressure duct main up to a manhole where a ND 400mm PRFV sewer channel starts, which in a further section has a ND of 500mm. The area to be served has an extension of 2.39km^2 and a population of 19,532 people, according to the 1991 census.

Work cost is AR$ 813,545.81 plus VAT.

23. Tender document for Sewage works: Secondary Network Villa Vetere district – Stage II –Network merging to Gravity sewer channel.

Tender document for this work includes Special conditions, Price quotation sheet, Drawings, Attachments, Soil reports, Interference, General technical specs, Annex I – Procedure for Environmental protection and control, Particular technical specs, Sample drawings.

24. Preliminary detailed project, Pumping Station, Villa Vetere district – Stage II for the expansion of the sewer system.

Preliminary project consists of the construction of a pumping station. Effluents conveyed to the pumping station chamber are driven by underwater electric pumps to a manhole, where a sewer channel starts, collecting effluents from different stretches forming a second section with gravity discharge. Basin comprises an area of about 1.78km^2.

Work cost is AR$ 116,263.77 plus VAT.

Tender document was drafted for this work.

25. General preliminary project: Oeste 1 Sewer channel, Lanús – Lomas de Zamora.

The purpose of the study is the design of the general preliminary project of a sewer channel and its branches to collect effluents from the counties of Lanús, Lomas de Zamora and Almirante Brown, and convey them to the third main sewer. The collection area of the Oeste 1 sewer channel has an extension of 68.66km^2; the area of study of this preliminary project covers an area of 21.36km^2, and comprises background data collection, preliminary analysis of alternatives and simplified calculation of volumes in the rest of the Oeste 1 sewer channel.

The alternative selected consists of the installation of five pumping stations and ND 900mm to 1400mm sewer channels.

Work cost is AR$ 16,258,757.97.

26. Investment cost estimate for Sewage Pumping Stations (Supplementary report to Oeste 1 sewer channel).

The study was conducted to obtain a set or curves allowing to determine in a fast and simple manner the cost of the investment, operation and maintenance of sewage pumping stations, so as to use such cost estimates in the drawing of pumping station costs in the Oeste 1 sewer channel, and to select the most convenient alternative.

27. Tender document for the execution of sewage works: Main/Sewer channel, Ezpeleta district.

Tender document includes: Special conditions, Price quotation sheet, Soil reports, Interference, General technical specs, Annex I – Procedure for Environmental protection and control, Particular technical specs, Sample drawings.

Master Plan for the Hydraulic Organization, Flood Control and Executive Project for the Maldonado Basin (2001)

Requested by: BUENOS AIRES MUNICIPALITY/HALCROW-HARSA-IATASA-LATICONSULT, Joint Venture.

Background data collection and evaluation. Job commissioned by the Buenos Aires City Government; SORS participated in the capacity of sub-contractors of the consulting consortium.

Detailed Engineering and work direction of culverts and embankments, Venado Tuerto, Santa Fe (2001)

Requested by: AGRO-PER SRL

Evaluation of the drinking water public service in the city of Venado Tuerto, Santa Fe (2000)

Requested by: VENADO TUERTO ELECTRIC COOPERATIVE

The study was performed to determine technical/financial feasibility of the drinking water public service to the people of Venado Tuerto by the Venado Tuerto Electric Cooperative.

Cutting expenses of water purification plants in Rosario, Santa Fe and Reconquista (2000)

Requested by: AGUAS PROVINCIALES DE SANTA FE

Cost optimization on chemical supplies used at the water purification plants in Rosario, Santa Fe and Reconquista.

General culvert system, La Picasa basin (1999/2000)

Requested by: AGRO-PER SRL

Study on the optimization of the sewer network, Aguas Argentinas (1999)

Requested by: AGUAS ARGENTINAS

Survey on the opportunities to cut costs in electric power consumption, operation and maintenance of the sewer network at Aguas Argentinas. Discussion of technical and commercial strategies proposed to increase income in connection with the expansion of infrastructure.

Cooperation to determine Cordón del Plata Natural Reserve boundaries and coordinates proposal to adjust interference in the Bi-ocean Aconcagua project (2011-2012 in progress)

Requested by: Corporación América S.A.

Provincial Law No. 8308 created the Cordón del Plata protected area, which partly overlaps with some sections of the Bi-ocean Aconcagua project, and since exact coordinates marking the area according to boundaries described in the Law have not been defined by the enforcing authority, the work in progress aims at setting forth the necessary action to solve eventual conflict that may emerge as a result of interference between Bi-ocean Aconcagua project and Cordón del Plata natural protected area, classified as Provincial Park by Law No. 6045.

Preliminary study on greenhouse gas emission balance for the Bi-ocean Aconcagua project (2011-2012)

Requested by. Corporación América S.A.

A summary study on greenhouse gas emission in the Bi-ocean Aconcagua project, which provided the client with a technically sustainable preliminary calculation within a short time.
Emission was determined during the construction stage, covering both own machinery and electric systems of Argentina and Chile, which will supply power to the works, particularly in tunnels. During the operation stage emission of electric system was estimated for the supply required to drive the electric train, as well as the consumption by the alternative transportation in the “non-project” case, on the basis of demand. The conclusion was that the project under study entails significant savings in greenhouse gas emission.

Study on Territorial and Environmental Impact, Bi-ocean Aconcagua project (2010-2011)

Requested by Corporación América S.A.

Within the framework of the Strategic Alliance between SORS and AMEC international consulting firm, each participating with a 50% share, the Environmental Impact Study (EIA) was conducted in the railroad line between Luján de Cuyo, Argentina and Los Andes, Chile. This is a major project by world-scale standards, as it features a 52-km long railroad tunnel through the highest spot in the Andes.

The study comprises Environmental Baseline, Project description, environmental impact assessment, and environmental management plans, including monitoring, remediation, emergency, occupational safety and health, during the construction, operation and maintenance stages.

This study is conducted in two versions with a view to obtain approval within the framework of environmental legislation and environmental assessment in both countries.

Environmental Studies in the Field, Expropriations, Natural Risks, Bi-ocean Aconcagua Project (2010)

Requested by Corporación América SA

Within the framework of "Bi-ocean Aconcagua Project", the railroad line intended to improve transportation and trade between Chile and Argentina, with CASA as the holder of private initiative, three studies were conducted for the subsequent Environmental Impact Study and Territorial Impact Study thereof.

Field Studies for the environmental and territorial baseline.

This study performed in the area of the Project includes secondary information from a number of sources and field campaigns conducted by the technical team.
Primary information collection in the field comprised the following subjects: Physical aspects, Hydro-geology, Geomorphology and Soils, Air quality, Noise readings, Biotic aspects and conservation: Flora, Fauna, Protected areas, Cultural heritage, Territorial aspects, Social and economic aspects, Landscape.

Expropriation Study.

The purpose of this study was to learn about any eventual problem related to expropriations required to perform and operate the Bi-ocean Aconcagua project, in terms of number, type and location of the areas to be expropriated, as well as the costs involved.

Study on the Project Analysis as regards Natural Risks

This study sought to create instructions that would result in work design to be adjusted so as to prevent and control any service disruption and any possible accident associated to the occurrence of adverse natural events.

Trans-Andean Railroad Line (2008 – 2010)

Requested by Corporación América

An audit was conducted on environmental studies and enviromental management plans for the project of a trans-Andean railroad line between Luján de Cuyo, Mendoza and Los Andes, Chile. The work on the project for the trans-Andean railroad between Luján de Cuyo, Mendoza and Los Andes, Chile included the review of environmental studies and operation.

Hydroelectric Power Plant of Santa Cruz river (2007 – 2008)

Requested by Corporación América.

Within the framework of draft projects for the construction of Condor Cliff (1140 MW) and La Barrancosa (600 MW) (see also Hydraulic studies), environmental impact studies and environmental management plan outlines were carried out for both hydraulic projects on the Santa Cruz river. Studies comprised legal framework, baseline, impact study and matrix, monitoring plans, corporate management and contingencies, as well as those related to glaciology, ichthyology, expropriations, relocations and other related issues.

Study of Environmental Impact of the Avenida General Paz Bridge over the Riachuelo (2006)

Requested by: Autopistas Urbanas SA (AUSA).

Necessary documents were prepared according to Buenos Aires City Government regulations, in order to submit Category Application and relevant documents to be issued the Environmental Aptitude Certificate.

Vulnerability of the Energy Sector and Energy Infrastructure (2005)

Requested by: Fundación Bariloche – under Project BIRF No. TF 51287/AR, "Activities for the Second National Statement by the Government of Argentina to the Parties in the United Nations Framework Convention on Climatic Change"

Notice: For further information see also "Latest Assignments on Energy".

Study on the Environmental Impact of the landfill on the banks of Río de la Plata river, in the section between Punta Carrasco and Rafael Obligado Ave (2005)

Requested by: Autopistas Urbanas S.A. (AUSA).

Necessary documents were prepared according to Buenos Aires City Government regulations, in order to submit Category Application and relevant documents to be issued the Environmental Aptitude Certificate.

Study on the Environmental Impact of Arturo Illia highway Executive Project in the section between Retiro and Av. Sarmiento (2005)

Requested by: Autopistas Urbanas S.A. (AUSA)

Necessary documents were prepared according to Buenos Aires City Government regulations, in order to submit Category Application and relevant documents to be issued the Environmental Aptitude Certificate.

Private Initiative for the Hydroelectric Power Plant, Alto Uruguay (2004)

Requested by: INDUSTRIAS METALÚRGICAS PESCARMONA S.A.

Necessary environmental documents were prepared to submit the proposal by Iniciativa Privada for the hydroelectric utilization of the upper Uruguay river, comprising three falls (Garabi, San Javier, Santa Rosa).

Notice: For further information see also “Latest Assignments on Hydraulic Engineering”.

Formulating the project: “Hydro Contamination Control” (2002)

Requested by: BUENOS AIRES MUNICIPALITY/ BID-GCBA Agreement.

A summary of the project labeled “Hydro Contamination Control” was drafted, to be included within the Modernization Sub-program of the Government of the City of Buenos Aires / BID-GCBA Agreement No. 1107 /OC-AR within the City of Buenos Aires Program of institutional support, fiscal reform and investment plan.

Study on Environmental Impact, Matheu-Pilar High Voltage line (2000)

Requested by: IRSA

Environmental analysis of Edenor project related to the construction and assembly of a 132 kv double electroduct No. 687 and 688, linking substations No. 051 Matheu and No. 158 Pilar

Environmental Impact Evaluation of “Puerto Retiro” (1999/2000)

Requested by: IRSA - PUERTO RETIRO

The environmental impact Assessment of Puerto Retiro urban development to be submitted by IRSA to the GCBA in compliance with Law No. 123. Project is located in downtown Buenos Aires and contemplates the construction of 380,000 square meters of offices, housing and commercial / cultural activities. This is the most relevant urban project in Buenos Aires, both in terms of the investment volume involved and the project privileged location.

Environmental Impact Evaluation of “Santa María del Plata” (1999/2000)

Requested by: IRSA - SANTA MARÍA DEL PLATA

Assessment of the environmental impact of the “Santa María del Plata” urban project, located on the coast of the City of Buenos Aires (formerly Boca Sports Villa). The project will have a roof area of about 500,000 square meters, mainly for housing, on land reclaimed from the Río de la Plata river.

Installation and operation of air blowers in the waters of Riachuelo (1998/1999)

Requested by: EXECUTEVE COMMITTEE, ENVIRONMENTAL AND MANAGEMENT PLAN, MATANZA-RIACHUELO BASIN - EZCURRA & SCHMIDT SA

Installation and operation of 22 air blowers in the waters of Riachuelo, in the section separating Buenos Aires and Avellaneda.

The execution of these projects considers the installation of a total 500 HP in the Riachuelo section between Victorino de la Plaza bridge and Vuelta de Rocha. SORS was subcontractor of Ezcurra & Schmidt S.A. for this project.

Private Initiative "Brazo Largo – Nueva Palmira road connection" (1997 - revisión 2004)

Submitted before: PUBLIC WORKS SECRETARIAT

Pre-feasibility study and draft of a private initiative under the terms of Argentine decree No. 635/97 for a road connection between Brazo Largo and Nueva Palmira. This project, exceptional and very convenient is being driven by SORS as initiator of the proposal. The study on environmental impact of the connection was carried out. Both positive and negative impacts were analyzed, such as physical, biotic and socio-economic aspects. Impact matrix was designed and mitigation programs were drawn.

Notice: Read more in the "Transportation" section.

Environmental Audit of several Thermal Generation Plants in Córdoba (1997)

Requested by: NATIONAL ELECTRICITY REGULATION AGENCY

Environmental audits were conducted at the following thermal generation plants in Córdoba:

Pilar: 216 MW; **Villa Maria**: 48 MW; and **General Lavalle:** 46 MW (GECOR).

Study on Environmental Impact of a pharmaceutical industry in Munro (1997)

Requested by: DENVER FARMA S.A.

Study of environmental impact caused by the expansion of a mid-size pharmaceutical industry located in Munro, Buenos Aires.

Study on Environmental Impact of an Industrial Park at the port of La Plata (1997)

Requested by: CONEVIAL S.A.

For the Industrial Park project at the port of La Plata, including industrial activities, services and maritime, road and railroad access.

Study on Environmental Impact at the ports of Concepción del Uruguay, Rosario, Quequén, Puerto Madryn and Ushuaia (1997)

Requested by: INTER AMERICAN DEVELOPMENT BANK (Personal Contract with Director)

Within the framework of the Port Modernization Project (Proj. Arg. 94/024): Study of environmental impact of upgrade works at the ports of Concepción del Uruguay, Rosario, Quequén, Puerto Madryn and Ushuaia.

Environmental Audit of several Thermal Generation Plants in Neuquén (1995/1996)

Requested by: NATIONAL ELECTRICITY REGULATION AGENCY

Environmental audits were conducted at the following thermal generation plants in Neuquén:

Alto Valle, 96 MW; **Agua del Cajón**, 357.6 MW; **Filo Morado**, 48 MW; and **Loma de la Lata**, 375 MW.

Environmental Audit of storage and fuel dispatch plants and service stations (1994)

Requested by: COMPAÑÍA GENERAL DE COMBUSTIBLES

Environmental audits of storage and fuel dispatch plants at Dock Sud, Cinco Tanques, and service stations identified as Costanera, San Isidro, Laferrere and Lomas de Zamora operating under the PUMA brand.

Environmental Audit of plants identified as Carlos Calvo, Pedro Morán and Farmacología (1994)

Requested by: ROEMMERS S.A.I.C.F.

Drafting of papers required to comply with Law No. 24051 and Decree 831/93, on the Registration of Generators.

Environmental Audit of Garzón and Murguiondo plants (1994)

Requested by: MAPRIMED S.A.

Drafting of papers required to comply with Law No. 24051 and Decree 831/93, on the Registration of Generators.

Environmental Audit of Darwin and Cramer plants (1994)

Requested by: GADOR S.A.

Drafting of papers required to comply with Law No. 24051 and Decree 831/93, on the Registration of Generators.

Environmental Audit of Pilar plant (1994)

Requested by: BIOFARMA S.A.

Drafting of papers required to comply with Law No. 24051 and Decree 831/93, on the Registration of Generators.

Environmental Audit of storage and fuel dispatch plants and service stations Dock sud (1994)

Requested by: ASTRA C.A.P.S.A.

Drafting of papers required to comply with Law No. 24051 and Decree 831/93, on the Registration of Generators.

Environmental Audit of installations at several field installations (1993)

Requested by: COMPAÑIA GENERAL DE COMBUSTIBLES - UPSTREAM

Environmental audits were conducted at the following field installations:

Area identified as Santa Cruz I: Campo Boleadoras, Cañadón Seco, Estancia La Maggie, La Maggie Norte, Ototel Aike, and Puesto Peter.

Area identified as Produccion Noroeste: Campos Jollin Tonono, Santa Victoria, El Chivil and Surubí

Area identified as Cuenca Neuquina: Campo Anticlinal Campamento.

This job was jointly undertaken with PILKO & Associates (Houston, TEXAS) and MUSE, STANCIL & Co. (Dallas, TEXAS) for CORPORACION FINANCIERA INTERNACIONAL.

Environmental Audit of storage and fuel dispatch plants and service stations (1993)

Requested by: COMPAÑIA GENERAL DE COMBUSTIBLES - DOWNSTREAM

Environmental audits of storage and fuel dispatch plants at Dock Sud, Cinco Tanques, and the service station network, both own and commissioned under the PUMA brand.

This job was jointly undertaken with PILKO & Associates (Houston, TEXAS) and MUSE, STANCIL & Co. (Dallas, TEXAS) for CORPORACION FINANCIERA

INTERNACIONAL.

Environmental Audit of LPG storage plants (1993)

Requested by: ARGENGAS

Environmental audit of LPG storage planta at El Dorado, Misiones; Los Quebrachos, Córdoba; Pergamino and Esteban Echeverría, Buenos Aires.
This job was jointly undertaken with PILKO & Associates (Houston, TEXAS) and MUSE, STANCIL & Co. (Dallas, TEXAS) for CORPORACION FINANCIERA INTERNACIONAL.

Latest assignments on TRANSPORTATION (2010)

Requested by: Corporación América

Project formerly known as Central Trans-Andean Railroad, now labeled "Bi-ocean Aconcagua". Field work supervision for Geo-seismic and Geo-electric research, both in Chile and Argentina. Such jobs were intended to establish the geological structure where the "Bi-ocean Aconcagua" project will be located, and specifically, the area where the low tunnel will connect both countries.

Bi-ocean Aconcagua project / Central Trans-Andean Railroad (2008/2009/2010)

Requested by: Corporacion América

Technical Direction and Coordination of studies for the trans-Andean railroad project connecting Luján de Cuyo, Mendoza and Los Andes, Chile. Technical coordination of the project proposal Phase 1 was carried out in 2008 and 2009. Phase 2 was performed in 2010.
The project considers an electric wide-gauge double track for passengers and freight, as part of the bi-ocean central corridor connecting Buenos Aires and Valparaíso. The system will feature a large transfer station will operate on either end and a 52km-long tunnel. The geometric design was coordinated and supervised, as well as the projects for railroad surplus material, bridges, culverts and low tunnel.

Traffic and Transportation Study within the "Nueva Centralidad" project (2008)

Requested by: Institute of Housing and Urban development (Municipality of Malvinas Argentinas)

The study comprised: Traffic analysis within the framework of the project to renew urban equipment in Malvinas Argentina county. Analysis of the project integration with the works to enlarge route 197 carried out by Buenos Aires Province road department. Design of the project in connection with the external road system so as to improve traffic conditions. Resolution of the intermodal transfer point at Pablo Nogués railroad station of the former Belgrano Norte line, for motor vehicle / train connection, two underground crossings, one pedestrian crossing, and commercial area. Analysis of road passage under the railroad line.

Traffic and Transportation Study for the Avenida General Paz Bridge project over the Riachuelo (Puente de la Noria) (2005)

Requested by: Autopistas Urbanas S.A.

Within the framework of the Study on Environmental Impact of works, a study on traffic comprised data collection concerning the roads involved in the project, particularly Avenida General Paz and the roads 27 de Febrero, Av. Puente de la Noria – Lomas de Zamora (formerly Camino Negro), and Avenida de la Ribera Sur.

Notice: Read more in the "Environmnetal Studies" section.

Study on Traffic at the landfill on the banks of Río de la Plata river, in the section between Punta Carrasco and Rafael Obligado Ave South header against Jorge Newbery airport (2005)

Requested by: Autopistas Urbanas S.A.

Within the framework of the Study on Environmental Impact of works, a study on traffic comprised data collection concerning the roads involved in the project, particularly Av. Rafael Obligado, Av. Sarmiento, Illia highway and Salguero. Different scenarios were analyzed, without the works, with the works under construction and during the operation.
Notice: Read more in the "Environmental Studies" section.

Study on Traffic for the Arturo Illia highway Executive Project in the section between Retiro toll station – Avenida Sarmiento (2005)

Requested by: Autopistas Urbanas S.A.

Within the framework of the Study on Environmental Impact of works, a study on traffic comprised data collection concerning the roads involved in the project, particularly Av.

Figueroa Alcorta, Av. Rafael Obligado, Av. Sarmiento, Illia highway and Salguero.

Notice: Read more in the "Environmental Studies" section.

Formulation of the "Preliminary feasibility study of the Transportation Integration Network, Metropolitan Area" (2002-2004)

Requested by: BUENOS AIRES MUNICIPALITY

SORS formulated the project "Pre-feasibility study of the Transportation Integration Network, Metropolitan Area" under the terms of "Fondo Italiano para el Desarrollo Sustentable de Argentina" (Italian Development Fund) so that GCBA may apply for a non-repayable credit funded by the Italian Government, hiring a team of professionals to execute the works. Such formulation should make available to the City Government every element required to resolve about the convenience of further developing this significant initiative, consisting of the direct connection of urban railroad passenger service through the Buenos Aires downtown area using wide-gauge from the former Mitre, San Martín, Roca and Sarmiento lines, and narrow gauge from Belgrano norte and Belgrano sur. The project also considers adjusting to other major projects in the City, such as the expansion of the Subway system, Puerto Madero, Autopista Ribereña, Corporación del Sur and railroad terminal redesign, among others. The main

component in the project is the construction of a 5.5 km-long multi-gauge tunnel (for wide gauge and narrow gauge) between Retiro and Constitución, with three stations in between, for railroad, subway and motor vehicle connections. It also contemplates linking Aeroparque to a large railroad hub on the four nearby railroad lines, access to Ezeiza airport from the electric section of Roca railroad line, the connection between Aeroparque and Ezeiza airports with fast service, freight train movement in non-peak hours to facilitate access to the port area, the connection between Sarmiento line and Parque Colón and the connection between Belgrano Sur line and Constitución. The project also discussed the creation of an 80-km network with high-frequency service and the development of a modern administration system and traffic control as a whole.

Study on Traffic, "Puerto Retiro" (1999/2000)

Requested by: IRSA - PUERTO RETIRO

A major study on traffic was conducted in the light of the evaluation of environmental impact generated by Puerto Retiro undertaking to be submitteed by IRSA to the GCBA in compliance with Law No. 123. This project is located in the City of Buenos Aires and considers the construction of 380,000 square meters of offices, housing and commercial / cultural activities.

This is the most relevant urban project in Buenos Aires, both in terms of the investment volume involved and the project privileged location.

Study on Traffic, "Santa María del Plata" (1999/2000)

Requested by: IRSA - SANTA MARÍA DEL PLATA

A study on Traffic, within the framework of the assessment of the environmental impact of the "Santa María del Plata" urban project, located on the coast of the City of Buenos Aires (formerly Boca Sports Villa). The project will have a roof area of about 500,000 square meters, mainly for housing, on land reclaimed from the Río de la Plata river.

Private Initiative "Brazo Largo – Nueva Palmira road connection" (1997 - revisión 2004 y 2009)

Submitted before: PUBLIC WORKS SECRETARIAT

Pre-feasibility study and draft of a private initiative under the terms of Argentine decree No. 635/97 for a road connection between Brazo Largo and Nueva Palmira. This project, original and very convenient is being driven by SORS as initiator of the proposal. A similar private initiative was submitted before the Ministry of Transportation and Public Works of Uruguay, under the terms of Uruguayan Decree 43197.

The project includes a 38km long road on an embankment in the Entre Ríos delta, an international bridge over the Uruguay river, a distributor in the merging point with Argentine route 12, toll station, border offices, connections with Uruguayan routes 12 and 21, and three minor bridges on streams. A preliminary project included complete

road connections in all sections and with all the elements. This project had a good reception and repercussion in technical, political and business circles. It was welcomed by the community and widely covered by the press. The initiative has lived on until the present.

Feasibility of a cargo transfer center between Zárate and La Plata (1996)

Requested by: NAME OF CLIENT WITHHELD

Feasibility study of a cargo transfer center in an area between Zárate and La Plata for a first-rate Italian transportation operator. Works included data collection of all transfer installation (port, railroad and inland), federal and provincial plans, and legal framework. Transportation demand was analyzed, as well as possible location and opportunities.

Study of alternatives in the National Route 40 works (1996)

Requested by: BABIC SACeI

Study on Variante Huaco (San Juan) corresponding to works on National Route 40 in the stretch between San Roque and Huaco.

A geometric design, artwork over Huaco stream and structural reinforcement in urban Huaco. Calculation and budget.

Preliminary Project for the Tender and Executive Project of Bridge over Jáchal river (1995)

Requested by: BABIC SACeI - in cooperation with ESTUDIO SÁNCHEZ - IGOLNIKOW

Preliminary project for the tender and executive project of bridge over Jáchal river, corresponding to works on national route 40 in the stretch between San Roque and Huaco.

Design, hydraulic survey and structural calculation of an 80-mt bridge with 16 maximum span, made of pre-concrete.

Study of river transportation along Paraná, Paraguay and Alto Paraná rivers (1994/1995)

Requested by: INTER AMERICAN DEVELOPMENT BANK (Personal contract by Chairman)

Within the framework of the Transportation Plan for the North of Argentina (proj. Arg. 94/024): Study of river transportation and the ports on rivers Paraná, Paraguay and Alto Paraná (work contracted personally by Mr. Flory).

Study of supply and demand of sea transportation of liquid fuels (1993)

Requested by: NAVENOR S.A.

Study of supply and demand of sea transportation of liquid fuels along the Atlantic coast of Argentina. Capacity projection and expansion opportunities for tank companies.

Study of alternatives to coal transportation (1993)

Requested by: ORMAS S.A. - The AES Corporation, Virginia – USA

Study of transportation alternatives and transportation system cost between Río Turbio coal mine and San Nicolás thermal station. Determination of the most convenient operation in the railroad, port and ship transportation phases.

Vulnerability of the Energy Sector and Energy Infrastructure (2005)

Requested by: Fundación Bariloche - Fundación Bariloche – under Project BIRF No. TF 51287/AR, "Activities for the Second National Statement by the Government of Argentina to the Parties in the United Nations Framework Convention on Climatic Change"

The study proposed the determination of scenarios about the evolution of the energy sector for the next 15 years. Also qualitative analysis will be performed on longer terms about some key aspects of the system, and about some variables and their possible impact.

The purpose of the study is to evaluate impact of Climatic Change on the supply and demand of energy in Argentina, and to evaluate possible markets for alternative sources of energy and energy efficiency programs.

Evaluation of bidding proposals submitted in the Chihuido II Tender (2002/2003)

Requested by: MINISTRY OF ECONOMY, WORKS AND PUBLIC SERVICES - PROVINCE OF NEUQUÉN

Notice: For further information see also "Latest Assignments on Hydraulic Engineering".

Drafting Chihuido II tender documents (2001/2002)

Requested by: MINISTRY OF ECONOMY, WORKS AND PUBLIC SERVICES - PROVINCE OF NEUQUÉN

SORS prepared the tender document for the Chihuido II hydroelectric and agro-industrial complex, with a minimum installed capacity of 228 MW and an irrigation area of 7,000 hectares [7,300 acres] near the towns of Cutral-Có and Plaza Huincul. The investment amount expected is 375 million pesos.

Bid evaluation for Los Chihuidos and Lolol Có (2000)

Requested by: ENERGY UNDERSECRETARIAT, PROVINCE OF NEUQUÉN

SORS evaluated bids for "National and International call to investors for bids to develop the hydroelectric and agro-industrial Los Chihuidos and Lolol Có".

Notice: For further information see also "Latest Assignments on Hydraulic Engineering".

Analysis of limiting factors of hydro development in Neuquén (1999-2001)

Requested by: ENERGY AGENCY, PROVINCE OF NEUQUEN (Personal contract by Chairman)

An analysis was conducted of factors limiting the hydroelectric development of Neuquén.

Analysis of ESEBA SA privatization (1997)

Requested by: PACIFIC ENTERPRISES INTERNATIONAL, Los Angeles, USA

Technical, economic and financial analysis of the privatization of ESEBA SA. Study of the business unit, price and production projection. Simulation of the electric system in Argentina using mathematical models, linear and dynamic programming to analyze the operation of power stations in Bahía Blanca, Mar del Plata and Necochea.

Simulation of the electric system in Argentina (1996)

Requested by: OVERSEAS PRIVATE INVESTMENT CO. OPIC, Washington DF– U.S.A.; R. W. BECK, Boston – U.S.A. y BOOI & COMPANY, Dallas – U.S.A.

Data collection of the fuel storage plant (1995 -1996)

Requested by: COMPAÑÍA GENERAL DE COMBUSTIBLES

Data collection, report and blueprints of the fuel storage plant identified as Cinco Tanques (with a 60,000 cubic meter capacity) in Dock Sud, Buenos Aires. Blueprint approval and industrial clearance of the plant, issued by the Municipality of Avellaneda.

Study of the supply capacity of the Río Turbo coal field (1995)

Requested by: CENTRAL TÉRMICA SAN NICOLÁS

Assessment of facility condition, production methods and operation procedures. Inventory of recent investment and short-term investment plans for the production process: mine-washing plant, railroad, port.

Analysis of Hidroeléctrica Diamante SA., Mendoza privatization (1995)

Requested by: HYDRO-QUEBEC INTERNATIONAL Y OTROS ASOCIADOS

Technical, economic and financial analysis of the privatization of Hidroeléctrica Diamante SA., Mendoza.

Study of the privatization of Luján de Cuyo Thermal Station, Mendoza (1994)

Requested by: ENSERCH DEVELOPMENT CORPORATION, Dallas – USA y MUSE, STANCIL & Co

A study was conducted on the privatization of Luján de Cuyo thermal station in Mendoza.

Study on investment in the areas of oil and gas (1994)

Requested by: ENSERCH DEVELOPMENT Co., Dallas - U.S.A.

A study was conducted on the different alternatives for investment in the areas of oil and gas.

Feasibility of the sale of electric power to public utilities (1993)

Requested by: INGENIO LEDESMA S.A.

Models of the electric sector, projection of economic variations and simulation of the operation of a co-generation thermal station fueled by gas and sugarcane. Analysis of technical, economic and legal conditions of entering the Wholesale Electric Market (MEM) as Auto-producer and Co-generator.

Study of the privatization of San Nicolás thermal station (1993)

Requested by: TECHINT S.A.

Analysis of business unit. Electric power price projection at the Wholesale Electric Market. Rate analysis at the Wholesale Electric Market. Study of the operation on the basis of coal import and the use of local production.

Technical and economic feasibility of Comahue fourth line (1993)

Requested by: HIDROELECTRICA ALICURÁ S.A.

Use of description and models to show demand projections and system simulation for the period 1994-2006 using mathematical models.

Study of the privatization of TRANSENER (1992/1993)

Requested by: HOUSTON Lighting & Power CO. - TECHINT S.A.

The study was conducted on the privatization of TRANSENER SA formed by the 500 kV transmission network of the Argentine Interconnection System. Study of the privatization rate and legal framework. Electric power price projection at the Wholesale Electric Market. Operation of node network models. Income variation at the transmission system for the period 1992-2008.