

VERSION 1 - 2024



# HYTSA

ESTUDIOS Y PROYECTOS S.A.



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# HYTSA

We are engineering consultants providing public and private organizations with comprehensive solutions.



## OUR HISTORY

Founded in 1985 by a group of widely experienced, world-class professionals, HYTSA Estudios y Proyectos S.A. is a consulting company providing professional services in a wide range of fields.

At HYTSA, ever since 1990, we have been conducting studies for institutional transformation of state-owned companies, privatizations, investment studies, concession contracts, audits and development of standards and procedures delivering top-market reliability levels and building up invaluable experience in every such fields.

Other established services include studies, projects and work supervision in multiple engineering specialties with emphasis on potable water and sanitation, solid waste, river and maritime hydraulics, roads and ports both in Argentina and the rest of Latin America.

New specialties, such as railways, airports and constructions, are now part of our service portfolio. Highly qualified professionals and long-seasoned technicians in every area rely on HYTSA solid business structure, bolstering their technical proficiency and commercial integrity to the highest ranks.

# INTEGRATED MANAGEMENT POLICY



As an engineering consultant working mainly in Public Services and Infrastructure, HYTSA Estudios y Proyectos S.A. defines its Integrated Management Policy as a sustainable management strategy, a principle formulated upon our company commitments:



Ensure customer satisfaction as a result of full availability of highly trained professionals and technicians at all levels of the company and timely participation of experts in every company area.



Provide all technological resources and necessary tools to allow experts and technicians to meet client requirements and needs efficiently and with excellence.



Permanently track and evaluate client's needs by our Project Managers and Senior Management personalized participation and engagement.



Make sure all our processes are driven by on-going improvement in Service Quality, H&S and Environmental management, while all members of our organization are encouraged to detect any improvement opportunity.



Engage and raise awareness among the company staff in respecting and caring for the environment and pollution abatement actions. Keep our working environment safe and comfortable by eliminating or minimizing hazards and impacts on the health for employees and other parties involved that are exposed to risks while deploying their work.



Comply with the Integrated Management System, applicable regulatory standards and any other requirement HYTSA Estudios y Proyectos S.A. may adhere to in connection with H&S and the protection of the environment.



ENVIRONMENTAL  
MANAGEMENT

RI-14000-877



QUALITY  
MANAGEMENT

RI-9000-5955



OHS  
MANAGEMENT

RI-45000-278



**IRAM Certified - ISO 9001, 14001 and 45001**



# OUR SERVICES

# OUR SERVICES

Studies, projects and works inspection in the following fields:

# HYTSA



## ENVIRONMENT:

- Environmental diagnosis
- Environmental Impact Studies (EIAs)
- Pollution studies in soil, air and water
- Environmental management systems under ISO 14001 standard
- Environmental and public service audits
- Environmental monitoring programs
- Mitigation, compensation and contingency programs
- Rebeca I and II



## WATER, SANITATION AND WASTE MANAGEMENT

- Master Plans
- Potable water supply systems
- Sewage systems
- Water treatment plants
- Wastewater treatment plants
- Aqueducts
- Reservoirs
- Technical and operational evaluation of water and sewage systems
- Water sanitation of hydrographic basins
- Integrated solid and hazardous waste management
- Supervision and inspection of works



## ROADWAYS AND HIGHWAYS

- Routes, highways and accesses
- Bridges and interchanges
- Tunnels
- Traffic studies
- Horizontal and vertical signs
- Supervision and inspection of works



## RAILWAYS

- Studies and projects
- Railway electrification
- Transport studies
- Supervision and inspection of works

# OUR SERVICES

Studies, projects and works inspection in the following fields:

# HYTSA



## PORTS AND WATERWAYS

- Ports
- River and maritime works
- Silos and elevators
- Waterways
- Dredging
- Complementary road and railway works
- Coastal defenses
- Hydraulic, fluvial and maritime
- Supervision and inspection of works



## INSTITUTIONAL STRENGTHENING

- Institutional, legal, commercial and operational diagnosis
- Improvement of public services management
- Administration and organization. Management
- Management supervision
- Human resources management. Training
- Operational, technical and environmental audits
- PPP Models
- Regulatory frameworks and related legal standards
- Organization and strengthening of regulatory entities and bodies
- Development of commercial areas
- Economic and financial evaluations
- Services market studies
- Tariffs
- Legal assistance and advisory
- Communication and outreach
- Marketing



## ELECTRICAL POWER PROJECTS

- HVL
- MVL
- Catenaries
- Supervision and inspection of works



## WATER RESOURCES MANAGEMENT

- Sanitation of water basins
- Flood prevention and control
- Watershed management
- Dredging
- Supervision and inspection of works



# MAIN PROJECTS



# MAIN PROJECTS

 Water, Sanitation and Solid Waste

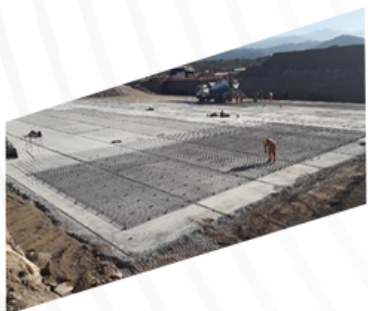


## Argentina

Technical and Environmental Inspection of the Sewerage System Work for the Departments of Fray Mamerto Esquiú and Valle Viejo, Catamarca.

Financed by CAF.

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Technical and Environmental Inspection of the Work: New Water Treatment Plant in the Campo Alegre Dam and Norte Aqueduct, Salta.

Financed by CAF.

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## Colombia

Supervision of the Construction of the Cruz de Mayo Potable Water Treatment Plant, Municipality of Soledad.

Financed locally.

# MAIN PROJECTS

 Water, Sanitation and Solid Waste



## Nicaragua

Supervision of the Improvement and Expansion Works of the Sanitary Sewerage and Wastewater Treatment System of the City of León, Department of León.

Financed by CABI/BCIE.

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## Argentina

Works Inspection Services – SC495: New System Outfall of Berazategui and SC498: Berazategui System Pumping Station.

Financed locally.

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## Peru

Elaboration of the Final Study and Technical File of the General and Secondary Potable Water and Sewerage Works of the Project: "Cajamarquilla, Nievería and Cerro Camote Scheme – Expansion of the Potable Water and Sewer Systems of Sectors 129, 130, 131, 132, 133, 134 and 135 District of Lurigancho and San Antonio de Huarochiri.

Financed by IDB.

# MAIN PROJECTS

 Water, Sanitation and Solid Waste



## El Salvador - Honduras

Technical Support to the Governments of El Salvador and Honduras in Elaborating the Strategic Solid Waste Management Plans to Mitigate Pollution and Coastal Marine Litter, including Plastic Pollution of Land Origin.

Financed by the World Bank.

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## Peru

Supervision of the Construction of three (03) Recovery Works for Solid Waste-Degraded Areas in Chancay, Oxapampa and Pozuzo.

Financed by IDB.

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## Argentina

Provincial Plan for Integrated Management of Solid Waste of the Province of Catamarca. Formulation of the Integrated Solid Waste Management Plan in different urban and rural areas in the 16 Departments of the Province of Catamarca.

Financed by IDB.

## Civil Works and Construction



### Guatemala

Technical Assistance to the Supervision for the Design and Bidding for Construction and Supervision of the Civil Works of the New Tower III of the Public Ministry Building of Guatemala, of 24,500 m2 area.

Financed by IDB.

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### Argentina

Supervision of the Design and Executive Project and Inspection of the Construction of the Works for the Tannery Industrial Park (PIC) of Lanús and the Industrial Liquid Effluents Treatment Plant (PTELI).

Financed by BIRF.

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### Peru

Project Works Manager: Improvement of the Technological Higher Education Services of the IEST 4 de junio de 1821, of the District and Province of Jaén, Department of Cajamarca.

Financed by IDB.



## Civil Works and Constructions

### Argentina



Supervision of the design and construction of the works:

- 1) Ecopark Quilmes Socio-Environmental Complex, Province of Buenos Aires.
- 2) Urban Solid Waste Transfer Plant in Moreno, Province of Buenos Aires.
- 3) Luján Environmental Center and Sanitation of the Open Dump, Province of Buenos Aires.
- 4) Villa María Environmental Management Center, Province of Córdoba.
- 5) Chascomús Environmental Ecopark, Province of Buenos Aires
- 6) Environmental Centers in Tupungato, San Carlos and Tunuyán, Province of Mendoza.

Financed by IDB.

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Supervision of the Construction of the Work: Major Civil Works of the Constitución–La Plata Branch, including the supervision of the New Ringuet Viaduct, temporary and final elevation of platforms and the new electric car warehouse in Tolosa.

Financed by IDB.

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### Paraguay



Supervision/Validation Services for Civil Works and Facilities of the Central Office of the Ministry of Environment and Sustainable Development of Paraguay.

Financed by UNDP.

# MAIN PROJECTS

 Roads and Railways



## Argentina

Inspection of the Work Paseo de Bajo - Section C, North Semi-Covered Trench.

Financed by CAF.

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## Nicaragua

Supervision of the Improvement Works of the Siuna-Rosita Highway (76.63 Km)  
Section I Siuna-Coperna Bridge Beltway (30.97 Km); Section II Coperna Bridge-Sang Sang Was Bridge N°2 (22.81 Km) and Section III Sang Sang Was Bridge N°2-Rosita Town (22.85 Km).

Financed by CABEL/BCIE.

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## Paraguay

Supervision of the Opening and Maintenance Works of National Route No. 9 and Accesses.

Financed by IDB and CAF.

# MAIN PROJECTS

 Roads and Railways



## Argentina

Supervision of the Catenary Laying Work on Tracks and Energy Distribution Lines (LDS) and Power Lines (LDF) New Quilmes Transformer Substation, Auto-transformation Posts and Remote Control Systems Constitución-La Plata Branch. Buenos Aires.

Financed by IDB.

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Review of the Executive Project and Inspection of the Renovation Works of the Track Structure of the General Belgrano Railway - Branch C (Prog Km 211 340 to Prog Km 338 010) - Branch C6 (Prog Km 338 010 to Prog Km 552 548) - Branch C3 (Prog Km 689 785 to Prog Km 723 200) and Branch C12 (Prog Km 1202 000 to Prog Km 1436 500). Provinces of Chaco, Santiago del Estero and Santa Fe. Sections 8 and 9.

Financed locally.

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Revision of the Executive Project and Inspection of Total Renovation Works of Tracks Infrastructure, Retiro Sector Bancalari Junction, Section: Suarez (Prog Km 22 300) to Bancalari Junction (Prog Km 29 100) Buenos Aires - Rosario Branch.

Financed locally.

# MAIN PROJECTS

## Hydraulics, Ports and Waterways



### Argentina

Technical and Socio-Environmental Screening of the Works to Expand the Salado River Capacity (Section IV-1-B). Channeling, widening and deepening of the second sector of Section 4 of the Salado River channel to enable runoff of the largest flows from incoming basins.

Financed by World Bank.

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Inspection for the Work: Drainage System in the Manantiales Area for the Recovery and Development of the Irrigation Area – Province of Jujuy.

Financed by FONPLATA.

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Technical and Environmental Screening and Economic, Administrative, Accounting and Legal Audits of the Concession of Public Works by Toll of the Trunk Navigable Road from Santa Fe to the Ocean.

Financed locally.



# MAIN PROJECTS

## Hydraulics, Ports and Waterways



### Argentina

Executive Design of Barrancas de Hernandarias Stabilization, Coastal Defense and Road Connection with Piedras Blancas in the Province of Entre Rios. Background Study, Preliminary Proposals, Proposal of Alternatives, Economic, Social and Environmental Screening and Evaluation. Executive Project and Tender Documents.

Financed by IDB.

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Inspection for the Work: Boulevard 9 de Julio Storm Drain, City of Yerba Buena, Dept of Yerba Buena. Social-Environmental Screening.

Financed by World Bank.

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Project and Work Supervision: Repair of Muelle Camarones and Extensions of Contracts No.1 and 2.

Financed locally.

# MAIN PROJECTS

## Institutional Strengthening



### Argentina

Specialized Technical Support and Advisory Service for the Implementation of the Programs of Highway Strategic Resettlement Plan.

Financed by World Bank.

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Technical Audit of the Activities carried out by Agua y Saneamiento Argentinos (AySA) – Years 2016, 2017, 2018 (ex post) and 2019.

Financed locally.

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Non-Billed Water Consulting Assignment for Aguas Santafesinas S.A. (ASSA).

Financed by IFC.

# MAIN PROJECTS

## Institutional Strengthening



### Argentina

Basic Sanitation and Hydroarsenicism: Basic Studies for Establishing Sanitary Criteria and Priorities in Argentina.

Financed by IDB.

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### Honduras

Independent Verification Agency for Project Performance Indicators (DLI) of Handover from SANAA to UMAPS.

Financed by World Bank.

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### Jamaica

Consulting Services for the Development of Operational Audit to the National Water Commission (NWC) - Correction Factor K. NRW.

Financed locally.

# HYTSA

## HYTSA IN LATIN AMERICA AND THE CARIBBEAN



**ARGENTINA**

**BOLIVIA**

**BRAZIL**

**CHILE**

**COLOMBIA**

**ECUADOR**

**EL SALVADOR**

**GUATEMALA**

**HAITI**

**HONDURAS**

**JAMAICA**

**MEXICO**

**NICARAGUA**

**PANAMA**

**PARAGUAY**

**PERU**

**DOMINICAN REPUBLIC**

**SAINT LUCIA**

**TRINIDAD & TOBAGO**

**URUGUAY**

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