2026
BROCHURE

Cinco de Septiembre

Oscar Ercole

Cinco de Septiembre

Cinco de Septiembre S.A. is dedicated to consulting in sanitary and environmental engineering and to the operation of drinking water and waste water and industrial systems, including technical assistance in operational management.

In terms of consulting, we carry out the design of water distribution network systems, water collection and conduction works, drinking water treatment plants, Correction Plants for chemical parameters such as arsenic, fluorine, nitrates and dissolved salts. And the design of waste water network systems, collectors, pumping stations, impulses and sewage and industrial wastewater treatment plants.

It also executes consultancy for the evaluation, diagnosis and proposal of solutions for drinking water production and distribution systems and waste water collection and treatment. We prepare master plans and design works and operational plans that improve the quality levels of the service.

We evaluate the capacity of existing drinking water treatment plants and waste water treatment plants, prepare diagnoses of the current situation and develop revamping of existing plants (waste water treatment plants and drinking water treatment plants), adapting them to current needs both in treatment capacity and in complying with new quality regulations incorporating new existing technologies in the market.

We work with technological alternatives for desalination and reuse of effluents, mainly waste water, in different applications, such as irrigation and water for industrial use.

We provide service of operation and maintenance of treatment and purification plants, we elaborate the instructions and corresponding operation manuals, with intensive training of the personnel in charge.

We carry out research on sanitary and environmental matters. For this we have pilot plants of different processes for the testing and optimization of water treatment agents dose adjustments. We train personnel involved in the operation of plants

We carry out continuous training of personnel providing them with the most advanced techniques in the field.

We have our own IT Systems to Support Operational Management and Commercial Management.

OUR SERVICES

- **Capacity evaluation of existing drinking water treatment and waste water treatment plants**

• Evaluation of the current and general state of the plant.

• Evaluation of the installed treatment capacity.

• Proposals for improvements for each of the process stages, if necessary, expanding the capacity and / or proposing the evaluation of new technologies that can improve the efficiency and performance of the process.

• Technical economic evaluation of alternatives for the proposed improvements.

• Planning of works and definition of priorities.

• Computation and budget for the stage.

• Bidding document.

Both for an improvement plan and for the design of a new plant, we seek to optimize the process taking into account the existing space, needs and product quality.

Our wastewater treatment plant designs are supported by performing dynamic process modeling with BIO WIN software, with which variables that may affect the processes can be jointly evaluated, such as important variations in flow, affluent quality, temperature, etc.

We work together with manufacturers of equipment and new technologies in the most developed countries in these aspects, such as Italy, Germany, Sweden and China, among others.

In this way, we can offer highly competitive alternatives in the local market, and analyze specific solutions selecting the most appropriate for each case, attending to the particular needs of each client.

The solutions we offer have to do with quality of equipment, technical support and operation of the technologies offered. The staff of professionals in our company is highly trained in operating of these types of processes

- **Evaluation, Diagnosis and Proposal of solutions for systems of production and distribution of drinking water and collection of waste water liquid**

For the development of new drinking water and waste water systems, master plans, and for the diagnosis and improvement plan of existing services, we carry out tasks such as:

• Background check

• Survey and field studies (pressure taking, sampling, leveling with optical / GPS level, video filming, measurement of straps in collectors, etc.).

• Updating and digitization of plans.

• Hydraulic model of the WATER CAD or SEWER CAD network, depending on the case.

• Study of the drinking water or waste water network depending on the case of technologies such as video filming, georadar, geophone, etc.

• Analysis of drinking water quality, optimization of the quality of distributed water, necessary works to comply with current regulations.

• Evaluation of the sources of water production.

• Measurement of flow in aqueducts and networks.

• Drilling capacity.

• Model adjustment / Calibration based on field surveys.

• Definition of priority works.

• Environment Effect investigation.

• Computing, budget and price analysis of the works.

• Specifications for each of the proposed works.

We have enough tools to carry out projects of different magnitudes. For this we use a specific software for each task:

• SewerCAD: Program for the analysis and design of urban drainage systems with an emphasis on Sanitary Systems.

• WaterCAD: Pressure network analysis, modeling and management software that produces solutions for the design, construction and operation of infrastructures in various fields.

• Biowin: Dynamic simulation software for Wastewater Treatment Plants (to optimize the biological elimination of nitrogen or any other parameter). It is possible to simulate different operational changes that favor the nitrification process - denitrification, reduction of suspended solids in the effluent, COD, BOD, etc., with a high degree of confidence.

• CypeCad: It is used to carry out the design, calculation and dimensioning of reinforced concrete and metallic structures.

• Hammer: It is used for the analysis and modeling of hydraulic transients (aqueducts, impulses, etc.).

• SolidWorks: It is a complete three-dimensional design solution that integrates a large number of advanced functions to facilitate part modeling, create large assemblies, generate drawings and other functionalities.

• REVIT: currently all our plant designs are made in 3D models using Revit.

EQUIPAMENT AND FACILITIES

The people who make up our organization have all the information related to the risks to which they are exposed, receive the necessary training and the necessary means to act against them and perform their function safely.

The organization´s commitment in this matter is not limited to compliance with applicable legal obligations, but extends further, seeking excellence in management, in line with quality policies, supporting this commitment in continuous improvement.

The recognition obtained by the organization with the obtaining of the certification of the ISO 9001, 14001 and OHSAS 18001 standards, obliges us to keep it in force and adjust our management model to the requirements of the aforementioned standards.

Within the Environmental Management System implemented in our different facilities, one of the objectives is to progressively reduce our environmental impact.

Offices with mixed lighting (natural and artificial) equipped with ergonomic equipment

Meeting room with multimedia equipment (TV, Wi-Fi, projector, videoconference, etc.)

INTEGRATED MANAGEMENT SYSTEM

For 10 years we have an Integrated Management System, based on ISO 9001, ISO 14001 and OHSAS 18001), certification issued by the Argentine Institute for Standardization and Certification (IRAM), Endorsed by IQNET -The International Certification Network-, Organism that gathers to standardization and certification bodies worldwide.

Whose scope was:

"Coordination of operational management, technical assistance and consulting for companies and / or health services entities"

"Development, implementation and maintenance of software for public services companies"

Allowing us to guarantee the standardization of our products and services, through our permanent commitment to the satisfaction of our clients, and the continuous improvement of our processes.

Our certificate is currently expired. We are in the process of redefining and readjusting the scope of our company, due to the incorporation of new lines of business

IRAM SISTEMAS DE GESTIÓN — IQNet

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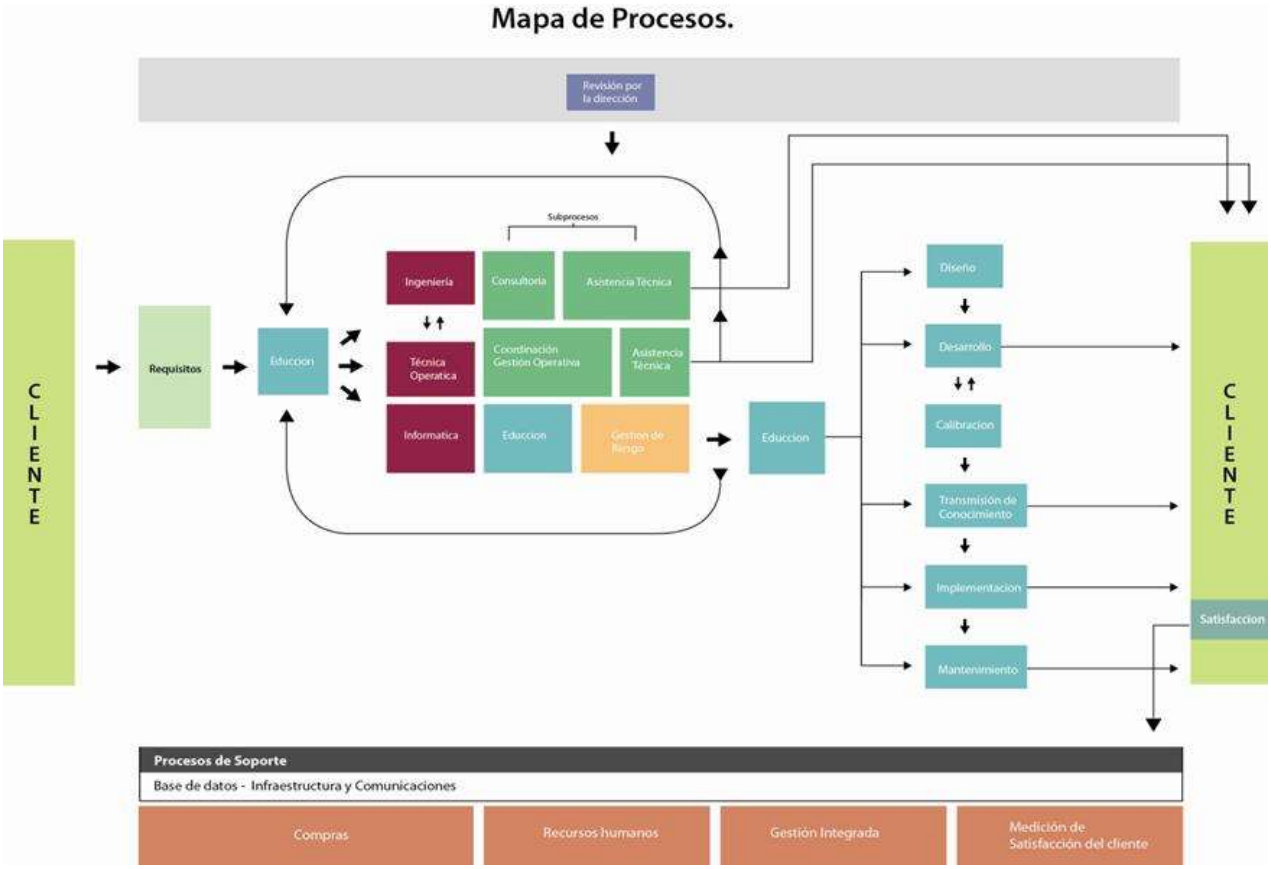

CLIENTS

- Water and Wastewater service operating companies
- Public work construction companies
- Water and wastewater-related national and provincial bodies
- Municipalities responsible for water and wastewater supply services
- Real Estate development companies

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5 DE SEPTIEMBRE S.A. MAIN PROJECTS

Drinking Water Networks Projects

– Study for the Diagnosis and Solution of the Problem of the Operation of the Drinking Water Networks (LOT 2) in the cities of Colón, San Pedro, Zárate, Carlos Tejedor, Chivilcoy, Pehuajó, Junín, Bragado and Chacabuco. Population 500,000 inhabitants Year 2017 - Year 2018

– Study for the Diagnosis and Solution of the Problem of Operation of the Drinking Water Networks (LOT 1) in the cities of Luján, Suipacha, Mercedes, Campana, Cañuelas and San Vicente. Population 400,000 inhabitants Year 2017 - Year 2018

– Hydraulic model of drinking water networks in the City of La Plata. Population 800,000 inhabitants. Evaluation of alternative network expansion. Determination of critical points for the operation. Year 2015.

– Hydraulic model of the drinking water networks of the City of Bahía Blanca. Population 400,000 inhabitants Evaluation of alternative network expansion. Determination of critical points for the operation. Year 2015.

Sewage Network Projects

- SAN PEDRO, Province of Buenos Aires: Project for the optimization and expansion of the sewage system of the City of San Pedro. New Collectors and New Sewage Treatment Plant. Contracting Entity: Federal Investment Council (CFI) - Population 75,000 inhabitants Year: 2025

BERAZATEGUI, Province of Buenos Aires: Elaboration of a Master Plan for the Optimization of the Sewage System of Berazategui. Contracting Entity: Federal Investment Council (CFI). Population 400,000 inhabitants. Year 2022

- LA RIOJA, Province of La Rioja: New Tajamar Sewer Collector - Analysis and completion of the collector project. It consists of sizing, calculation and budget with price analysis, Particular Technical Specifications and Environmental Impact. Contracting Entity: National Entity for Water Sanitation Works - (ENOHSA). Population 400,000 inhabitants Year: 2021/2022

– Engineering Project for the Sanitary Systems of the Northern Parties of the Province of Buenos Aires (Arrecifes, Colon, General Arenales, Chacabuco, Junín, Salto, Rojas and Pergamino). Population 450,000 inhabitants Year 2019 - Year 2020

– Leveling for engineering projects to expand the sewage network in the towns of Rojas, Chacabuco, General Arenales, Ferre, La Trinidad, Ascensión, Arribeños and La Angelita. Population 200,000 inhabitants Year 2019

– Survey, data collection and mathematical modeling with the SewerCad system of the sewage collectors in the city of La Plata. Year 2019. Population 800,000 inhabitants

– Study for the Diagnosis and Solution of the Sewage Networks Operation Problem (LOT 1) in the cities of Luján, Suipacha, Mercedes, Campana, Cañuelas and San Vicente. Population 400,000 inhabitants Year 2017 - Year 2018

– Study for the Diagnosis and Solution of the Sewage Networks Operation Problem (LOT 2) in the cities of Colón, San Pedro, Carlos Tejedor, Chivilcoy, Pehuajó, Junín, Bragado, and Chacabuco. Population 500,000 inhabitants Year 2017 - Year 2018

– Executive Project of Sewage Networks in Cuenca Catonas V - VI of the city of Moreno. Population 200,000 inhabitants. Year 2016

– “Sewage Drainage Master Plan for the city of Trelew, Province of Río Negro” / Municipality Study and diagnosis of the current situation of the sewage service in the town of Trelew. Definition and design of main collectors, pumping stations, impulsion, possibility of derivation between impulses. New treatment plant. Reuse of sewage fluids. Rollovers to lagoons. Treatment and disposal of sludge. Population 140,000 inhabitants Year 2014

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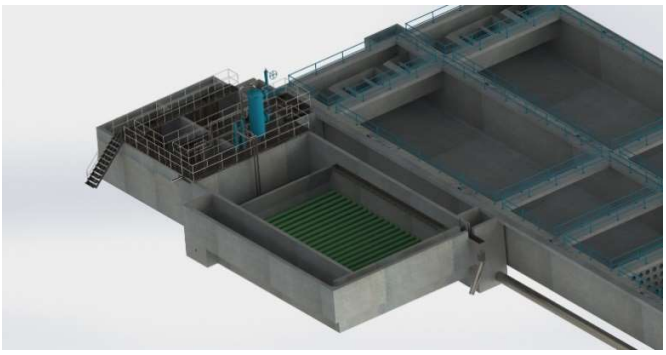
Drinking Water Treatment Plant Projects

La Plata District, Buenos Aires Province: Executive Engineering for the "New Water Treatment Plant for the Districts of La Plata, Berisso, and Ensenada." Capacity: 11,000 m^3/h - Contracting Company: Ingeniería Global for UTE: ROGGIO - PROBA. Year 2022-2025

– Executive Project of the Drinking Water Treatment Plant in the city of Tartagal - Province of Salta. Capacity: 1,200 m^3/h Year 2019 - Year 2020

– Detailed engineering of the Itiyuro Drinking Water Treatment Plant - Province of Salta. Design of a 2,000 m3/h Dissolved Air Flotation module to eliminate algae. To be built on an existing coagulation, flocculation, sedimentation, filtration and disinfection plant. Year 2015



Flotation Module in Itiyuro – Province of Salta

– Preliminary Project for the Drinking Water Treatment Plant and Storage Works in Pedro Luro, to supply the Río Colorado - Bahía Blanca Aqueduct. Flow: 7,500 m3/h. Work of Toma. Conventional water treatment plant with a partial treatment of salts. Year 2018.

– Executive Project for the installation of a Dissolved Air Flotation module (4,000 m3/h) on the existing filtration module at the Patagonia´s Drinking Water Plant in Bahía Blanca, for the elimination of algae. Year 2018.

Air Flotation Module dissolved in the city of 9 de Julio

Ferric Chloride Floc with Arsenic Retention

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Waste Water Treatment Plant Projects

Bahia Blanca Sewage Treatment Plant

- PEHUAJO, Province of Buenos Aires: Execution of the Executive Engineering and Consultancy for the Project of the Wastewater Treatment Plant of the City of Pehuajó, Province of Buenos Aires. Contracting Company: UTE: VIAL AGRO S.A. - RIVA S.A.I.I.C.F.A. – Population Served: 50,000 inhabitants. Year 2023-2024

- PROJECTS in the Province of La Rioja: "Bidding Projects and Environmental Impact Studies of the Sewage Treatment Plants of the towns of CATUNA, OLTA, AIMOGASTA and FAMATINA (In joint venture with the consulting firm SERMAN). Contracting Entity: CAF/CORPORACIÓN ANDINA DE FOMENTO. Population Served: 100,000 inhabitants. Year 2023-2024

- MONTE HERMOSO AND SAUCE GRANDE, MONTE HERMOSO DISTRICT, Province of Buenos Aires: Executive Project and Environmental Impact Study of the Sewage Treatment Plant of the Monte Hermoso District for the reuse of wastewater for irrigation. Contracting Entity: ORGANIZATION OF IBERO-AMERICAN STATES (OEI). Population Served: 200,000 inhabitants. Year 2022-2023.

- LA RIOJA - Province of La Rioja: Expansion of the Sewage Treatment Plant in the city of La Rioja with Quality Effluent for Unrestricted Irrigation. Sizing, calculation and budgeting, price analysis,

Particular Technical Specifications and Environmental Impact. - Contracting Entity: National Entity for Water Sanitation Works (ENOHSA). Population Served: 400,000 inhabitants Year: 2021/2022

– Bidding Project for the Treatment and Final Disposal of Sewage Liquids in the City of La Plata, Berisso and Ensenada ". Population 1,000,000. Year 2019 - 2021

– Executive Project of the Waste Water Treatment Plant of the city of Río Grande - Province of Tierra del Fuego. Population 120,000 Year 2019 - 2021

– Coordination and Execution of the Executive Project of the Secondary Biological Waste Water Treatment Plant with Nutrient Removal from the 1st Basin of the city of Bahía Blanca. Population 400,000 Year 2017 -2020

– Project for the Expansion, Reconditioning and Optimization of the Ringuelet´s Waste Water Treatment Plant in the city of La Plata. Population Served: 100,000 inhabitants. Year 2008

Aqueduct Projects and Storage Works

– Study for Diagnosis and Solution of the Aqueduct Operation Problem of 2,000 mm and 1,200 mm in diameter, both coming from the Punta Lara Plant - Ensenada, to the Bosques Power Plant in the city of La Plata (Total: 26 km). Flow measurement. Year 2018

– Study for Diagnosis and Solution of the Problem of Operation of the Aqueduct 9 de Julio - Carlos Casares -Pehuajó of 700 mm in diameter, Total Length: 110 km. Flow measurement. Verification of air chambers and valves and cleaning Year 2017 - Year 2018

– Preliminary project for the Río Colorado Aqueduct, from Pedro Luro to Bahía Blanca. Length 120 km. Flow: 2 m3/s Supply to the towns of Pedro Luro, H. Ascasubi, M. Buratovich, T. Origone, Argerich, Médanos, Gral. Cerri, Bahía Blanca, Punta Alta and Polo Petroquímico. Year 2014.

– Executive Project of Basic Reserve and Regulation Work for the Drinking Water Supply System to the city of Bahía Blanca. Construction of a 100,000 m3 cistern within the profile of the aqueduct at the Patagonia Plant. Year 2015.

Master Plans for Drinking Water and Waste Water

Small-scale coagulation, flocculation and sedimentation plant to adjust design parameters

– Potable Water Supply Master Plan for the City of San Miguel de Tucumán - Province of Tucumán. Diagnosis of situation, study of sources. Well connectivity improvements in the network. New 5-hole battery. Construction of two tanks of 30,000 m3 each. New network interconnection from the Muñecas Plant. Mesh closure and replacement of main pipes. Renovation of 700 km of pipes. Installation of pressure regulating valves. Reconditioning of cisterns at the Muñecas Plant. New chlorination room and Incorporation of telemetering and control. Year 2009.