



Energy Projects Portfolio



LOMA JARILLOSA" WIND FARM 230 MW

Studies, permits and actions performed to date

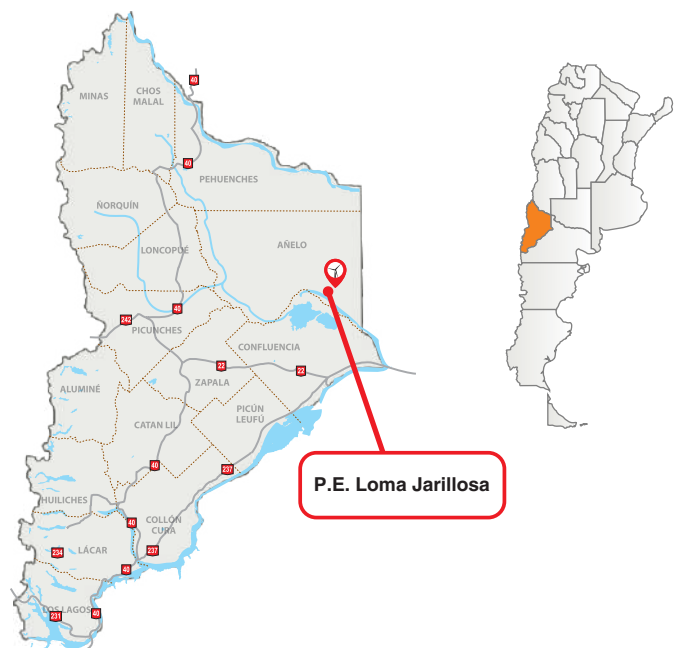
- Wind energy measurement campaign: 37 months
- Electric Study, Stage I, carried out by SIEyEConsultores in January 2022
- Certification of wind energy measurements made by international consultant AIRES Renewable Energy Sources in January 2022.
- Environmental Impact Study performed by Mrs. Alejandra Rubilar in January 2022.

Studies, permits and actions in progress

- Grid connection request: in progress
- Environmental license: in progress
- Certificate of Public Convenience and Necessity to be issued by ENRE (National Regulatory Authority of Electricity): in progress
- Certification as Generator of Wholesale Electricity Market: in progress

Main Features of the Project

- Owner: ADI-NQN S.E.P
- Capacity: 230 MW
- Location: Northeast of Añelo (35 km)
- Height: 700 m.a.s.l.
- Area affected by the project: 10,200 Ha. private lands.
- Interconnection point: High Voltage Line 132 kV "Sierras Blancas - Medanitos" (15 km)
- Wind class according to IEC 61400-I:IIIC at 104 m.



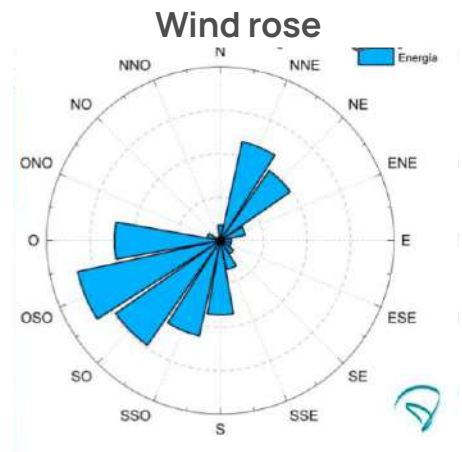
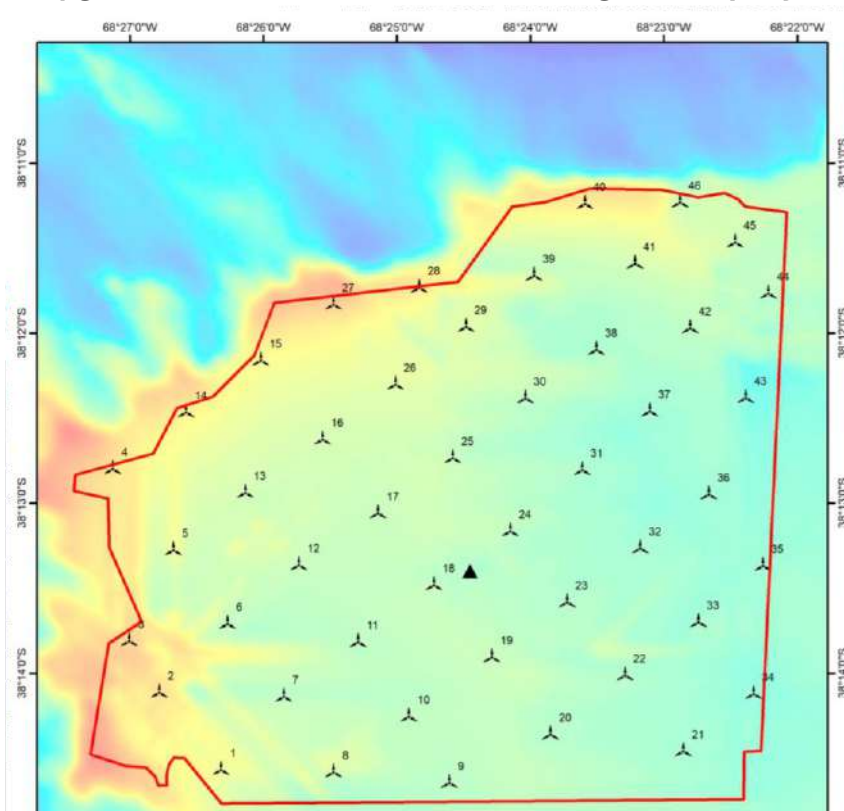
Measurement results

Average Speed	Height	K Factor	C Factor	Prevailing Wind Direction
8,2 m/s	105 mts	2,1	9,2 m/s	247,5 ° - SO

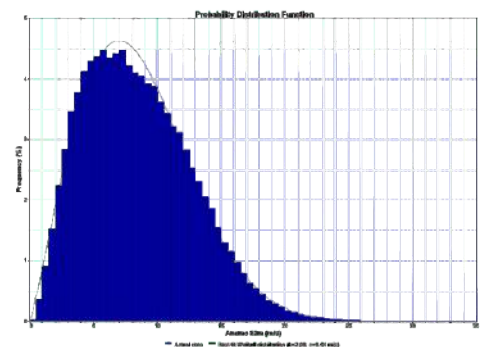
Synthesis of energy production calculation

Average Speed	Height	Gross Capacity Factor	Annual Production
8,2 m/s	105 mts	52,6% - VESTAS V150 - 5 MW	1.059 GWh

Polygon coordinates and Micrositing of the project



Weibull Distribution



Loma Jarillosa in a project conceived based on a joint development of the Oil and Gas sector, leveraged with renewable energies, within the framework of energy transition and traceability.

It is located on private lands and has a double development scheme: direct self-generation with nearby reservoirs and dispatch and interconnection to the electrical grid.

It is located 15 km from the HVL, which allows a dispatch of up to 270 MW.

The project has the following oilfields and concessions within a radius of 30 km (the maximum profitable distance for 33kV distribution networks).



"PICÚN LEUFÚ" WIND FARM

100 MW

Studies, permits and actions performed to date

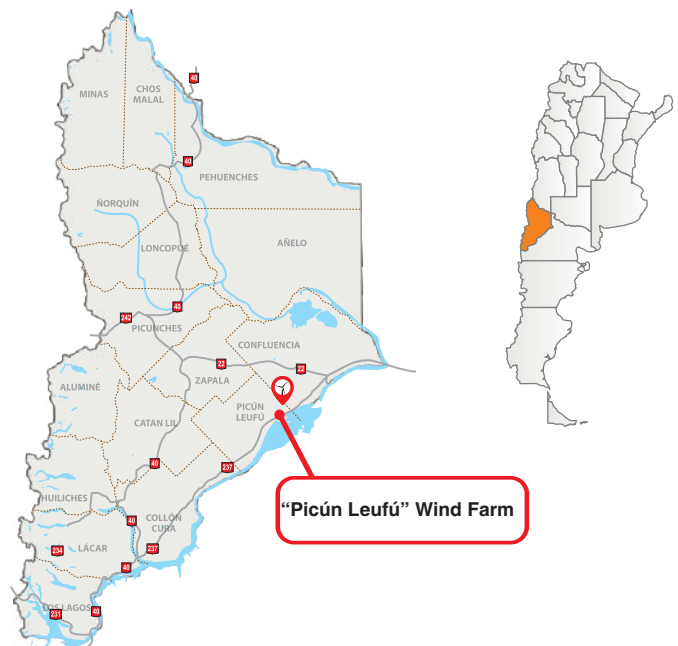
- Wind energy measurement campaign: 6.9 years
- Electric Study, Stage I, carried out by SIEyEConsultores in September 2017
- Certification of wind energy measurements made by international consultant Ventus S.A. in December 2017.
- Environmental Impact Study performed by Mrs. Alejandra Rubilar in August 2017.
- Grid connection request submitted to EPEN in September 2017.
- Environmental license granted by the State Secretariat of Environment and Sustainable Development of Neuquén (S.E.A.y D.S. by its Spanish acronym) in October 2015.

Studies, permits and actions in progress

- Certificate of Public Convenience and Necessity to be issued by ENRE (National Regulatory Authority of Electricity).
- Certification as Generator of Wholesale Electricity Market issued by the National Ministry of Energy and Mining. File# EX-201722845296

Main Features of the Project

- Owner: ADI-NQN S.E.P
- Capacity: 100 MW
- Location: Northeast of Picún Leufú (30 km)
- Height: 785 m.a.s.l.
- Interconnection point: High Voltage Line 132 kV "El Chocón-Cutral Co" (17 km)
- Wind class according to IEC 61400-I: IIC at 105 m.



Measurement results

Average Speed	Height	K Factor	C Factor	Prevailing Wind Direction
8,87 m/s	105 mts	2,1	9,9 m/s	210 ° - SO

Synthesis of energy production calculation

Average Speed	Height	Gross Capacity Factor	Annual Production
8,68 m/s	93 mts	55,5% - GAMESA G114 2.625 MW	480,9 GWh



“EL ALAMITO” 4.8MWp SOLAR FARM

Located in the El Alamito area, 20 km north of Chos Malal. The first 1MW stage is currently being completed, with an expansion capacity to 4.8 MWp due to the existing electrical infrastructure and the permits already obtained.

Main features of the project

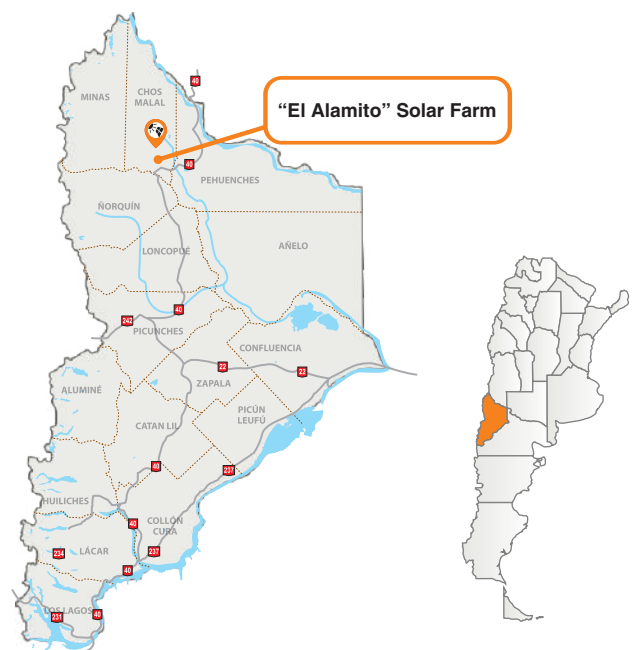
- **Capacity:** 4.8 MWp (enough to supply approximately 700 homes with clean energy).

Stage I (1 MW):

- **Progress:** 90%
- **AC output capacity:** 1 MW.
- **DC installed capacity:** 1.2 MWp.
- **Existing electrical infrastructure:** Interconnection to the EPEN's 33 kV MVL, through a shunting station.
- **Generation (P50):** 2.14 GWh/year.
- **ZN ShineSolar** 600Wp bifacial modules on fixed arrays, each with a tilt angle of 35°.
- **Inverters:** 8 Schneider 125 KVA inverters.

Stage II (Expansion to 4.8 MWp):

- **Projected capacity:** 4.8 MWp in view of the land available and the existing interconnection infrastructure.
- **Additional installation:** Only new panels and inverters are required, since the output electrical works are complete.
- **Infrastructure ready:** No new interconnection works to the EPEN's 33 kV grid are required.
- **Available land:** 12 hectares for full capacity installation.
- **Estimated investment:** _____



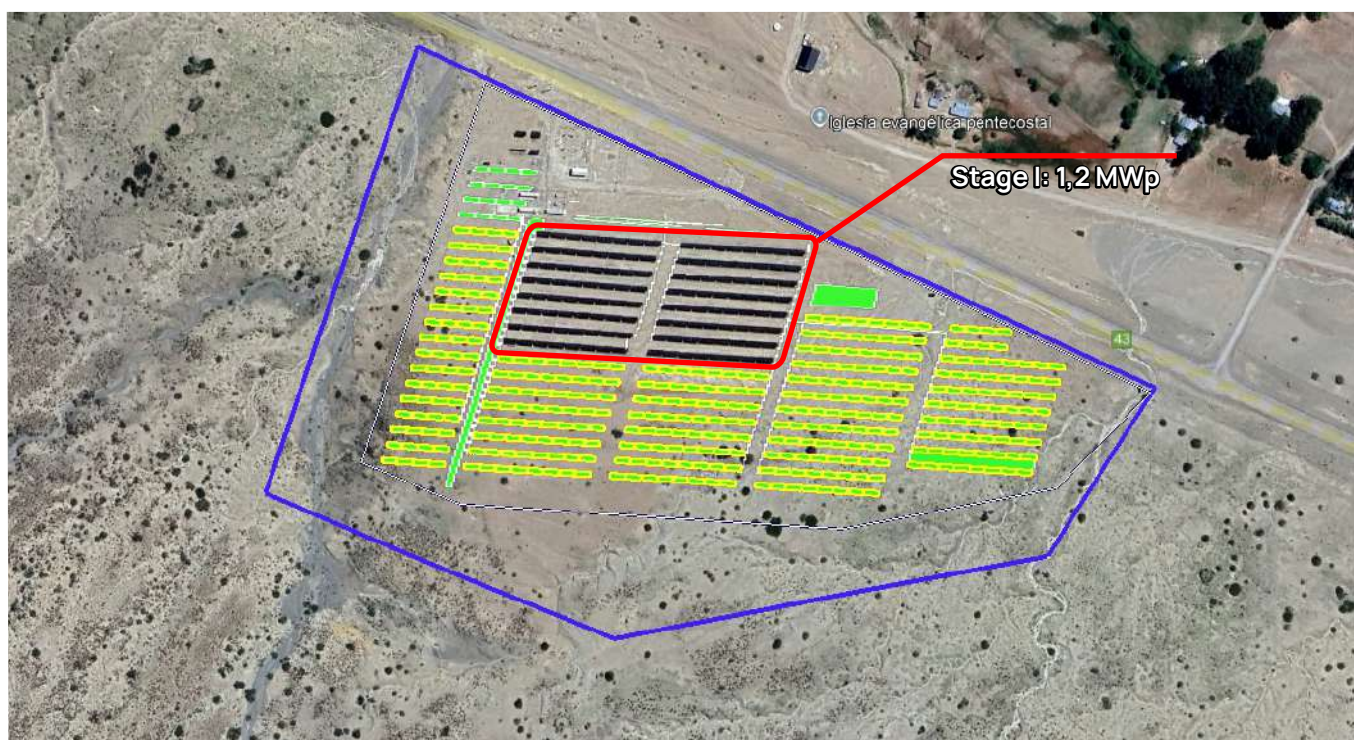
Studies and Permits

The project has already completed and obtained all the studies and permits required to secure its feasibility:

- **Solar resource assessment:** certification of the energy production report carried out by Renewable Solution Consulting in 2017 and Intermepro in 2021, confirming high solar irradiation in the area.
- Environmental Impact Assessments, including Environmental MVL License.
- **Electrical Studies (Stage 1 and 2):** Submitted to the corresponding agencies, securing technical feasibility of the connection and operation of the project.
- **Electrical interconnection permit:** Access request to transmission capacity already submitted and approved.
- **Wholesale Electricity Market Generator:** Title granted by the National Ministry of Energy and Mining, allowing output sale to the WEM.
- **Second Stage:** The expansion of the installed capacity up to 4.8 MWp is planned seizing the existing infrastructure and the connection to the 33 kV grid without the need of new interconnection works.
- **Minimized risks:** Technical studies and permits have already been obtained, significantly reducing risks associated with the construction and operation of the plant.
- **Optimized operating costs:** Operation and maintenance costs will be prorated with the expansion, optimizing the profitability of the project.

Technical Data

- **Location:** Paraje El Alamito, Route N°43, 20 km from Chos Malal, Neuquén, Argentina.
- **Altitude:** 1,069 masl.
- **Incident Solar Radiation:** 1,889 kWh/m² (according to Meteonorm 8.0).
- **Capacity Factor:** 21.2% for ZN ShineSolar modules.
- **Interconnection point:** 33 kV Medium Voltage Line (LMT) Chos Malal-Andacollo



DOMUYO GEOTHERMAL PROJECT VARVARCO - NEUQUEN

Domuyo geothermal project is located in the NW of Neuquén Province (Argentina); situated in Minas Department, only 35 km north from the town of Varvarco. The approximate distance from the project area to the city of Neuquén is 462 km.

The project is currently in prefeasibility stage and holds the greatest potential in Argentina: around 100 MW based on the updated study of its conceptual model, carried out in 2017 and reviewed in 2022.

The project proposes a first initial stage consisting of the drilling of 3 exploratory wells and the construction of a 5MW modular plant. Additionally, it contemplates the electrical infrastructure (132 kV power line between the powerplant and Chos Malal transformer station) required to scale the project up to 100 MW. The success of this first stage, to be executed with public funds, will trigger the deployment of the second phase, which consists of the construction and commissioning of the complex until reaching a 100 MW capacity, to be carried out by the private sector.

Technical sheet

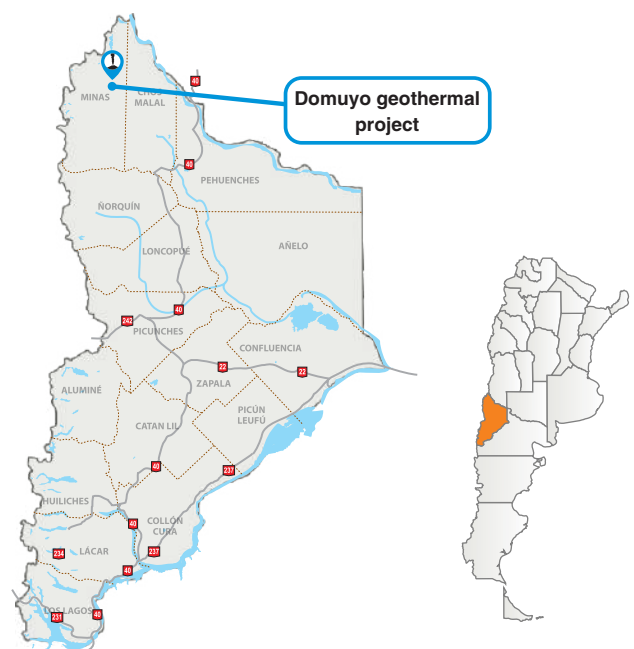
General Features

- Field type: Water-dominated
- Geothermometric temperature: 240° C.
- Temperature of thermal manifestations: ranging between 60° C and 97° C.
- Estimated depth of the reservoir: 2500 meters.
- Reservoir temperature: 240° C
- Identified potential: 100 MW

Background

The initial exploration studies for the project area began in 1982, under a bilateral agreement between the Argentine Government and the Japan International Cooperation Agency (JICA). These studies involved interpretations of satellite images, as well as geological and regional gravimetric analyses, covering an area of 15,000 km².

As a result of this initial stage, the geothermal target area was reduced to 200 km² located in the western sector of Cerro Domuyo. Between 1982 and 1983, a comprehensive range of studies was conducted, including gravimetric survey; geochemical studies of soils, rocks, water and vapor; topographic surveys and geological, hydrogeological and volcanological investigations.



Later, in 1984, a 40-km² area with significant geothermal potential was identified and thoroughly evaluated. Geoelectric and seismic surveys were conducted for further assessment the area. Subsequently, 12 gradient wells, each 100 meters deep were drilled to conduct heat flow measurement, and isotopic and rock properties studies were conducted. Additionally, a multipurpose well with a planned depth of 400 meters began to be drilled. However, due to adverse weather conditions, it progressed only to a depth of approximately 80 meters.

With the studies carried out by both organizations, the project reached the Prefeasibility stage.

Since 2008, ADI-NQN SEP has been promoting the development of the Domuyo Geothermal Project (PGD by its Spanish acronym) through the planning and execution of exploration programs and the search for financing to take it to the feasibility stage.

In this regard, in 2016, the national government together with the government of the province of Neuquén, within the framework of the Energy Sector Studies Program (PESE by its Spanish acronym), carried out the “Conceptual Model of the Geothermal Field of Domuyo Project” which consisted of an update of geological, geochemical and geophysical studies using advanced technologies.

Recently, with the technical and economic support from the Inter-American Development Bank (IDB), through non-refundable contributions from the Technical Cooperation program (RG-T3022), social, environmental and technical studies were performed through international consulting firms hired by the IDB, with the idea to move towards a possible future financing of the project by this same organization.

Legal status of the resource

The rights to the mining area where the project is located (Ref. Mining files No. 4802-00790/2010 Mina Maitena and No. 4802-00791/2010 Mina María Victoria) belong to ADI-NQN and have been registered in the Mining Authority of the Province of Neuquén, enabling the exploration and exploitation of the geothermal resource (under Article No. 54 of the Mining Code of Argentina).

COPAHUE GEOTHERMAL PROJECT 10 / 30 MW - CAVIAHUE-COPAHUE

Copahue Geothermal Project consists of the construction of a geothermal power plant using the endogenous vapors from “Las Mellizas de Copahue” geothermal field, the drilling of the wells necessary to feed the plant and the construction of a transmission line that links the geothermal field with the closest transformer station integrated into national grid (SADI, by its Spanish acronym).

The project is located 14 km west of the town of Caviahue (Ñorquín Department) and 380 km from the capital city of the province of Neuquén.

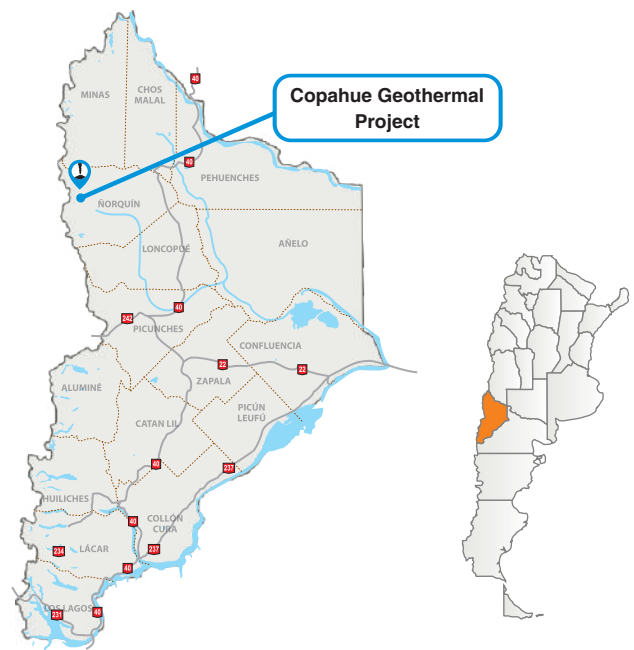
Its development is planned with the option of a modular design:

Modular Plant Design proposed by ADI-NQN

- Capacity: 10 MW
- Wells to be drilled: 2
- Transmission line: 9 km (33 kV)
- Annual power: 78.8 GWh
- Avoided CO2 emissions: 34,690 tons/year
- Homes supplied: 26,000
- Cost per installed kW: US\$4,607/kW

Plant Design by JICA

- Capacity: 30 MW
- Wells to be drilled: 7
- Transmission line: 101 km (132 kV)
- Annual power: 237 GWh
- Avoided CO2 emissions: 104.325 tons/year
- Homes supplied: 78.000
- Cost per installed kW: 4.428 US\$/Kw



Current status of the project

The project is technically feasible for 30 MW. In 2019, a social study was carried out which concluded that there is a small group of opponents to the project that is very radicalized and influential in the Caviahue-Copahue community. In this sense They give a central role to the notion of risk and inconveniences, and not to the benefits of the Project. Therefore, first and foremost, it seems necessary to work towards that direction. Currently the project is on stand-by until the social acceptance process is improved.



"ALUMINE" SMALL HYDROPOWER PROJECT - NEUQUÉN

Aluminé Small Hydropower Project, consists of a mini run-of-river hydropower plant located on the Ruca Choroy River, a tributary of the Aluminé River, 4 km upstream from the town of Aluminé, in the province of Neuquén.

It is located on the outskirts and northwards the town center. It is a typical mountain project.

It involves the recommissioning of a hydropower plant that ceased its operation in the 90s. For this purpose, equipment which allows automatic operation is to be procured and the existing turbine, generator and transformer, as well as the necessary panels and auxiliaries, are to be replaced. The rehabilitation of this power plant will result in greater reliability and stability of the energy system of the town of Aluminé, which is located at one end of the transmission line and, therefore, suffers frequent power outages and voltage variations.

Current Status

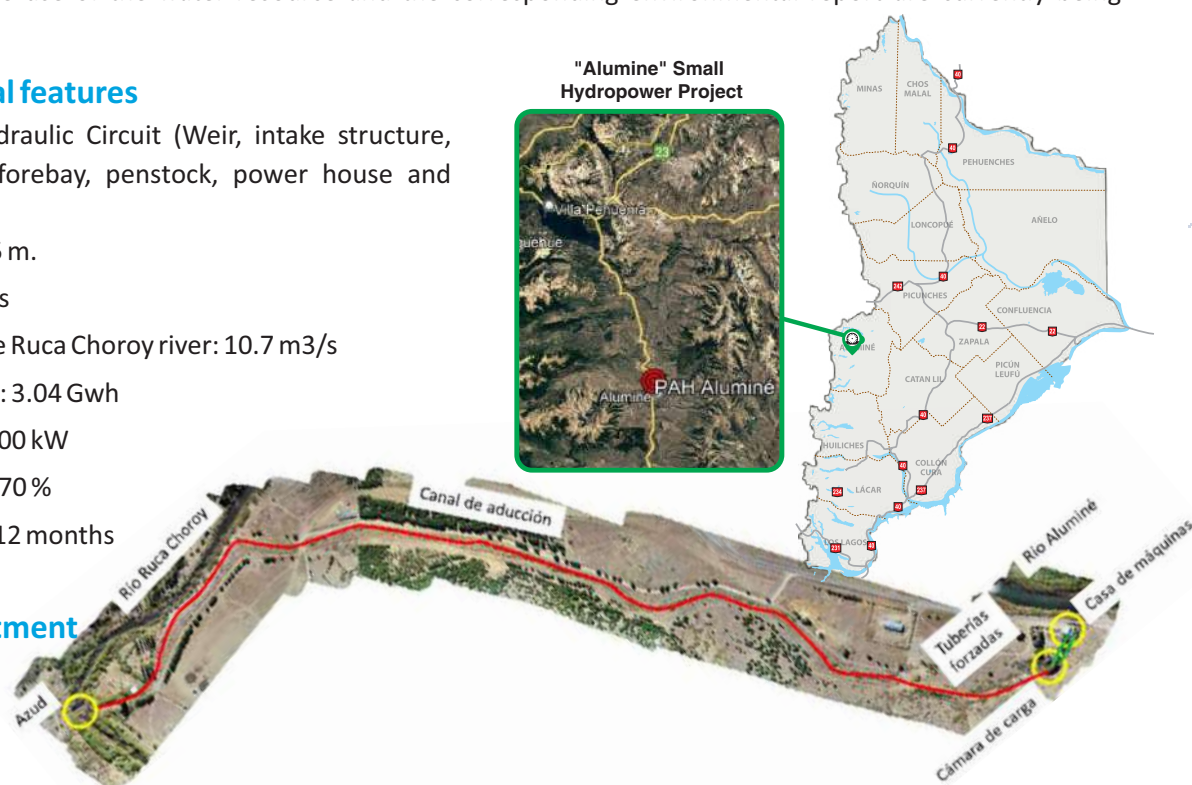
Hydrotec S.A. carried out the executive project for this out-of-service plant, to the benefit of the town of Aluminé. The authorization for the use of the water resource and the corresponding environmental report are currently being

General technical features

- Project Type: Hydraulic Circuit (Weir, intake structure, conduction canal, forebay, penstock, power house and restitution channel)
- Hydraulic Jump: 15 m.
- Design flow: 4 m³/s
- Average flow of the Ruca Choroy river: 10.7 m³/s
- Annual generation: 3.04 Gwh
- Electrical power: 500 kW
- Availability factor: 70 %
- Execution period: 12 months

Estimated investment

US\$ 2,980,000



Benefits of Upgrading the Aluminé Hydropower Plant

- Generation of clean, renewable energy, which reduces dependence on fossil fuels and helps mitigate climate change.
- Its generation can supply 900 homes.
- Low environmental impact: As a run-of-the-river project, it does not significantly alter the natural course of the Ruca Choroy River or flood additional land, preserving the natural environment.
- Remediation of existing environmental liabilities by restoring an abandoned hydropower project.
- Efficient use of local water resources: It leverages the Ruca Choroy River's hydraulic jump without major interventions other than those already in place.
- Power supply stability: Through local power generation, the security and quality of the power supply can be improved in the town of Aluminé, which, since it is located at the end of the line, suffers from system instability.
- Local job creation: The construction, operation, and maintenance of the plant will create jobs for local technicians, operators, and professionals, both during the civil engineering phase and during subsequent operations.



"CALBUCO" SMALL HYDROPOWER PROJECT SAN MARTIN DE LOS ANDES, NEUQUÉN

Calbuco Hydropower Plant is located within the urban area of San Martín de los Andes, capital of the Lacar Department, on the riverbed of Calbuco stream.

This power plant is located about 350 metres northwards National Route No. 40 and approximately 1 km upstream from the source of Pocahullo stream.

Geographic coordinates of the power plant building are as follows: South latitude: 40°09'01.21"; West longitude: 71°20'00.70"

The general characteristics of this project correspond to a hydraulic circuit scheme, where the flow is diverted laterally to the river bed, transferred downstream, turbined and returned to the corresponding channel, leveraging the hydraulic jump available between the diversion point and the restitution point. Therefore, there is no regulating reservoir to allow compensating for natural flows.

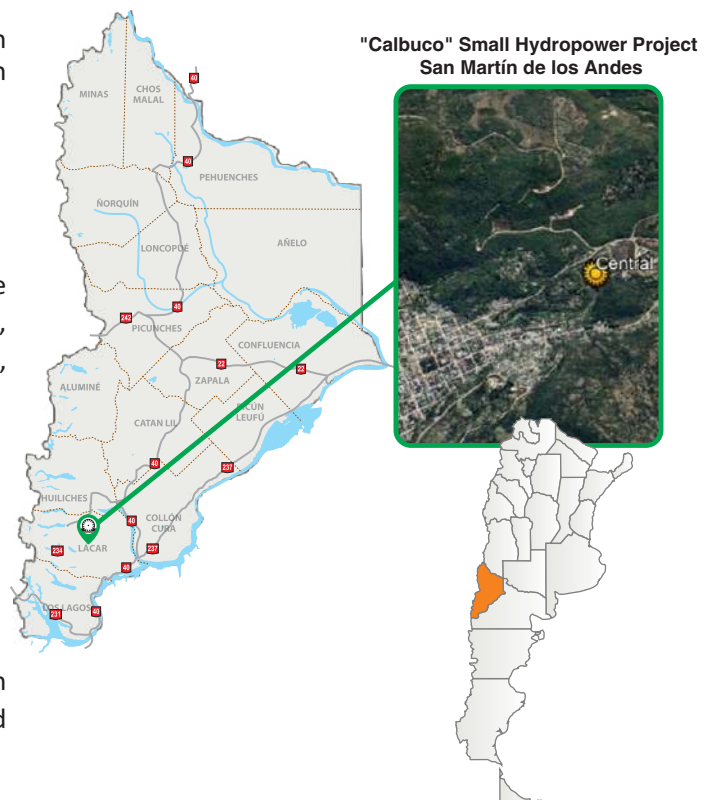
Current Status

H.I.S.S.A. (Hidronor Ingeniería y Servicios S.A.) worked on the executive project and technical tender documentation for this project.

The executive project is complete and is ready to tender.

General technical features

- Project Type: run-of-river (Already built structures include the following: Diversion Dam, Headrace, Intake Work, Sluiceway, Flow Tunnel, Forebay and Afterbay, Penstock, Hydropower Plant, Restitution to Calbuco Stream).
- Hydraulic Jump: 26.9 m.
- Maximum turbine flow: 2.5 m³/s
- Average stream flow: 1.8 m³/s
- Electrical power: 500 kW
- Annual generation: 0.23 GWh
- 2 Francis-type horizontal-axis hydro-generating units with a rated power of 295 kW each, generators and transformers.



Estimated investment

- Powerhouse civil works: US\$ 600,000
- Electrical and Generation Equipment: US\$ 1,150,000
- Contingencies, Inspection and Management US\$ 100,000
- **Total Investment: US\$ 1,850,000**

Project Benefits

- Valuable historical heritage of the city of San Martín de los Andes is restored.
- Generation of clean, renewable energy, which reduces dependence on fossil fuels and helps mitigate climate change. It can supply 900 homes.
- Low environmental impact: As this is a run-of-the-river project, with a small existing reservoir to raise the water level, it does not significantly alter the natural course of the stream or flood additional territory, preserving the natural environment.
- Remediation of existing environmental liabilities by restoring an abandoned hydropower project.
- Efficient use of local water resources: It leverages the natural hydraulic jump of the Calbuco Stream without major interventions.
- Power supply stability: Through local power generation, security and quality of the power supply for residents and tourism businesses in San Martín de los Andes can be improved.
- Local job creation: The construction, operation, and maintenance of the plant will create jobs for local technicians, operators, and professionals, both during the civil engineering phase and during subsequent operations

"ARROYO CATARATAS" SMALL HYDROPOWER PROJECT – TRAFUL, NEUQUÉN

This project aims to meet the power demand by leveraging the permanent flow of the Cataratas stream, which drains into Lake Traful (Limay river basin), approximately 11 km from Villa Traful.

The town is not connected to the Argentine Grid Connection System (SADI, by its Spanish acronym) and operates as an isolated network. Current demand is covered by diesel generator sets with substantial consumption of fossil fuel (915,186 litres in 2022).

Relevant geographic coordinates are as follows: Waterfall: 40°38'18.19" S; 71°30'23.10"W ; Mouth of Traful Lake: 40°37'39.21"S; 71°29'37.37"W

Current Status

Hydrotec SA carried out the executive project for this small hydropower plant, adapted to the environmental conditions required by the National Parks Administration (APN, by its Spanish acronym).

Currently and at the request of APN, work is being done on the implementation of a species-monitoring system in the weir and powerhouse areas, in order to establish a standard procedure for the construction stage.

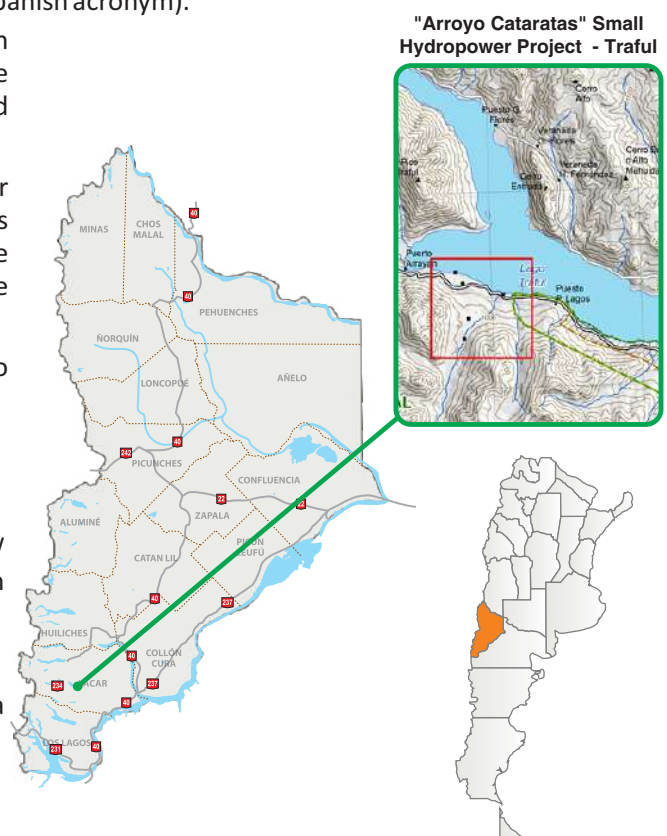
A flow measurement campaign is being carried out together with the Basins Interjurisdictional Authority (AIC, by its Spanish acronym) in the Cataratas stream to validate the Minero river correlation used in the hydrological study of the executive project.

Also, socio-environmental studies are being performed to obtain the corresponding licenses.

General technical features

Project Type: run-of-river (Front Closure Intake with Flow Diversion to the Forebay, and Conduction, through Penstock, to the Hydropower Plant).

- Hydraulic Jump: 250 m.
- Average flow of Cataratas stream (located west of Villa Traful): 2.65 m³/s
- Electrical power: 2700 kW
- Turbine flow: 1.30 m³/s.



- 2 Pelton type turbines
- Plant factor: 0.75
- Annual generation: 17.54 GWh
- Isolated system planned to be connected to SADI
- Execution period: 18 months

Estimated investment

- Small Hydropower Project: US\$ 8,029,801
- 13.2 kV Medium Voltage Line: US\$ 3,500,000

8.5 km underground MVL (13.2 kV) of 4x120 mm² aluminium, insulation by CPE, CAT 1



"AUQUINCO" SMALL HYDROPOWER PROJECT - NEUQUÉN

This project aims to generate electricity through renewable sources by refurbishing an existing generation unit, currently deactivated, in the Auquinco/ Laguna Auquinco area, which operates as an isolated system, supplied by diesel-fuelled thermoelectric generation.

The town of Auquinco is located in the Pehuenches department, in the northwest of the province of Neuquén.

The project consists of a run-of-river mini-hydropower plant located on the main stream of the irrigation system.

It is located on the outskirts and northwards of Auquinco. A typical mountain project, which -in general terms- includes the following structures: Weir, adduction pipe, forebay with cleaning pipe, penstock and powerhouse.

EPEN built this mini power plant in 1987 to provide electricity to the area, with medium and low voltage distribution.

The plant is currently out of service due to continuous mechanical failures.

The civil works and hydromechanical equipment are in good condition, while the generation equipment was decommissioned and hardly can it be restored to operational status.

Current Status

Hydrotec SA carried out the executive project for this out-of-service plant, for the benefit of the Auquinco area.

The authorization for the use of the water resource and the corresponding environmental report are currently being processed.

General technical features

- Hydraulic Jump: 51m.
- Maximum turbine flow: 0.17 m³/s
- Average stream flow: N/A
- Electrical power: 55 kW
- Annual generation: 0.24 GWh
- Isolated system planned to be connected to SADI
- Execution period: 18 months
- Type of Work: Reconditioning of existing power plant
- Project status: Executive Project

Investment amount

- US\$ 200,000 dollars





"LOS GUIONES" MULTIPURPOSE PROJECT

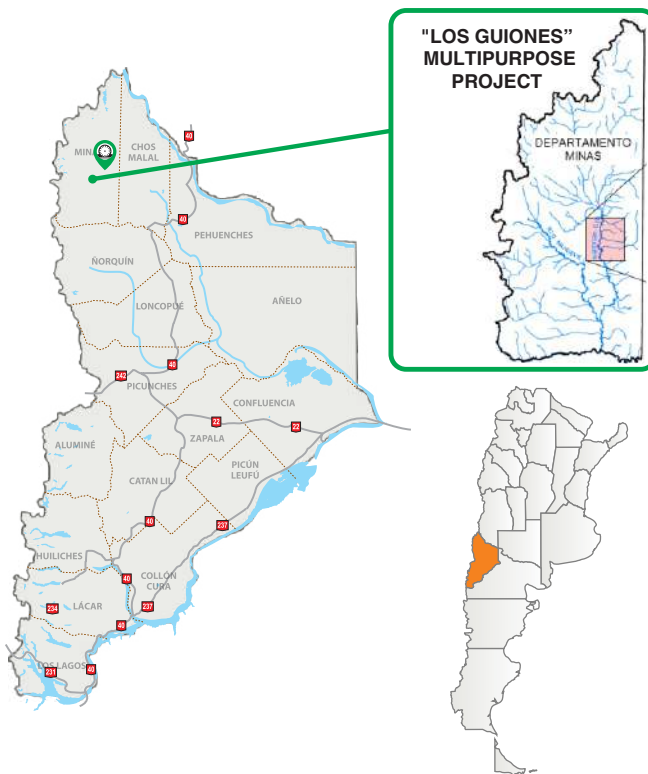
"Los Guiones Multipurpose Project" is located on Nahueve River, in the upper part of Neuquén river basin, in the north of the province. The site is planned downstream of the confluence of with Buraleo river.

Technical details of the project

General technical features

The following is a summary of basic parameters:

- Type of Project: Hydraulic Circuit (diversion weir, water intake, aqueduct canal, loading chamber, penstock, powerhouse, restitution canal) on the right margin of the river.
- Location: Nahueve River, downstream the confluence with Buraleo river.
- Concrete weir or hard fill with concrete screen on both wall coverings, 8,50 meters high from the foundation level.
- Spillway: integrated into the weir, fixed sill, free overflow operation, no gates.
- Weir Area / volume at 1.287,00 m.a.s.l.: 10,00 ha./0.5 Hm3
- Aqueduct canal: 9.1 Km long, rectangular section with concrete coating, 40 m3/sec. capacity
- Power house equipment: 2 Francis turbines of vertical shaft.
- Hydraulic jump: 68, 39 m.
- Installed power: 24, 30 MVV.
- Load Factor: 50, 1 %.
- Average annual generation: 1 15, 5 Gwh.
- Transmission line voltage: 33 kV.
- Execution Period: 36 months.



Available Studies

The Agency makes available to interested parties the following documents:

- Bidding document with administrative and legal requirements.
- Technical Report (2I + II documents)

- Applicable legislation. Regional geology and geomorphology and seismic studies.
- Purposes: power generation, irrigation, water supply for human consumption, road communication and tourism development.
- Type: frontal closure on the river with power plant located at the foot of the weir
- Feasibility study allowing the use of water resource
- Electrical studies for Phase I.
- Environmental impact assessment to be approved.

The executive project is completed and its status is ready to tender.



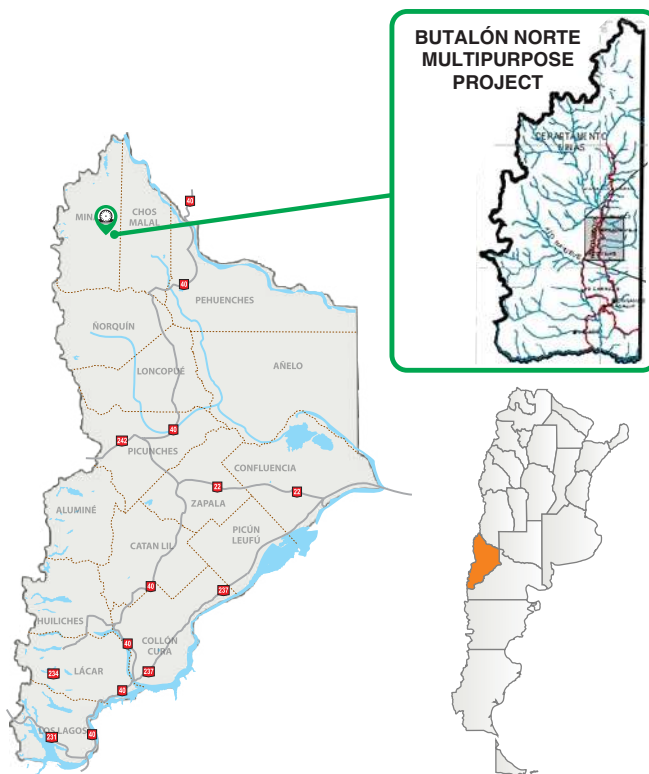
BUTALÓN NORTE MULTIPURPOSE PROJECT

"Butalón Norte Multipurpose Project" is located on Neuquén River, upstream of the Butalón bridge approximately 10 km from Las Ovejas, Minas Department.

Technical details of the project

General technical features

- Weir: Concrete gravity weir with a straight shaft.
- Type: Power plant located at the foot of the weir
- Weir Area: 157ha
- Power House Equipment: 2 11.2 MW bulb turbines ($Q_n=60 \text{ m}^3/\text{s}$) + 1 4.5 MW auxiliary bulb turbine ($Q_n=24 \text{ m}^3/\text{s}$)
- Hydraulic jump: 19.86 m.
- Net Installed Power: 26.9 MW
- Power Factor: 64.30 %
- Average annual generation: 150.30 GWh
- Funding: Program of Studies in the Energy Sector (PESE, by its Spanish acronym) through the Development Bank of Latin America and the Caribbean (CAF).



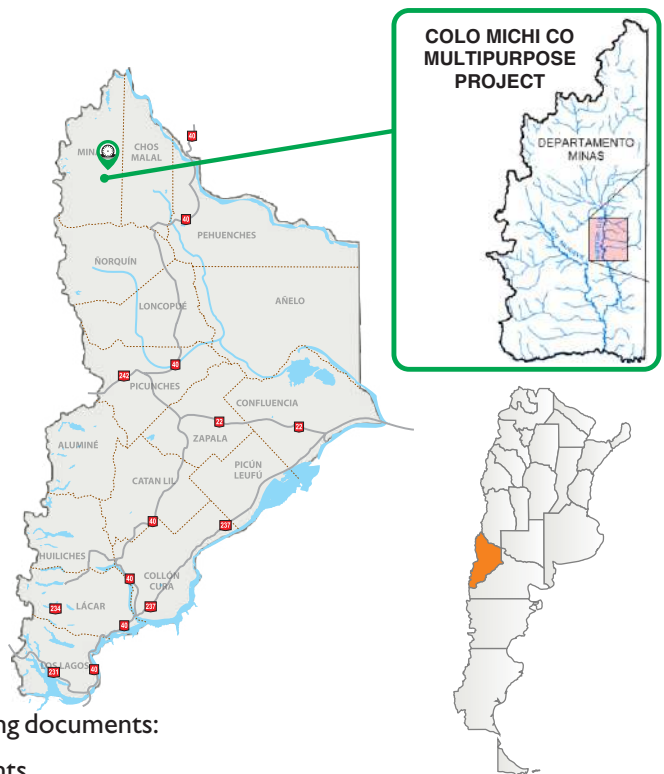
“COLO MICHÍ CO” MULTIPURPOSE PROJECT

"Colo Michi Có Multipurpose Project" is located on Neuquén River, in the upper part of Neuquén river basin, in the north of the province. It is planned upstream of the mouth of Colo Michi Co stream, and approximately 45 km upstream of the confluence of Nahueve and Neuquén rivers, near the town of Andacollo.

Technical details of the project

General technical features

- Location: Neuquén River, upstream Colo Michi Co stream.
- Weir: Concrete gravity weir, with a straight 51-meter-high shaft and a 215-meter-long crest.
- Spillway: integrated into the weir, with 6 radial gates with a capacity to deliver 6000 m³/s.
- Weir Area/volume at 1.175,00 m.a.s.l.: 295ha /44 hm³
- Power House Equipment: Francis, 2 main vertical-shaft turbines and 1 auxiliary horizontal-shaft one to drive the ecological flow.
- Hydraulic jump: 33,40 m
- Installed Power: 38,40 MW
- Power Factor: 48,6 %
- Average annual generation: 163,40 GWh
- Execution Period: 48 months



Available Studies

The Agency makes available to interested parties the following documents:

- Bidding document with administrative and legal requirements.
- Technical specifications including civil works of the weir, water intake, sluiceway, penstock, powerhouse, turbines, generators, transformers, travelling and bent crane, auxiliary systems, control panels and cells, conductors, control system, cofferdams, 132 kV transformer station, etc.
- Environmental specifications
- Plans (94+67)
- Technical Report (2I+II documents)
- Applicable legislation. Regional geology and geomorphology and seismic studies.
- Purposes: power generation, irrigation, water supply for human consumption, road communication and tourism

development.

- Type: frontal closure on the river with power plant located at the foot of the weir
- Feasibility study allowing the use of water resource
- Electrical studies for Phase I.
- Environmental impact assessment to be approved.

The executive project is completed and its status is ready to tender.



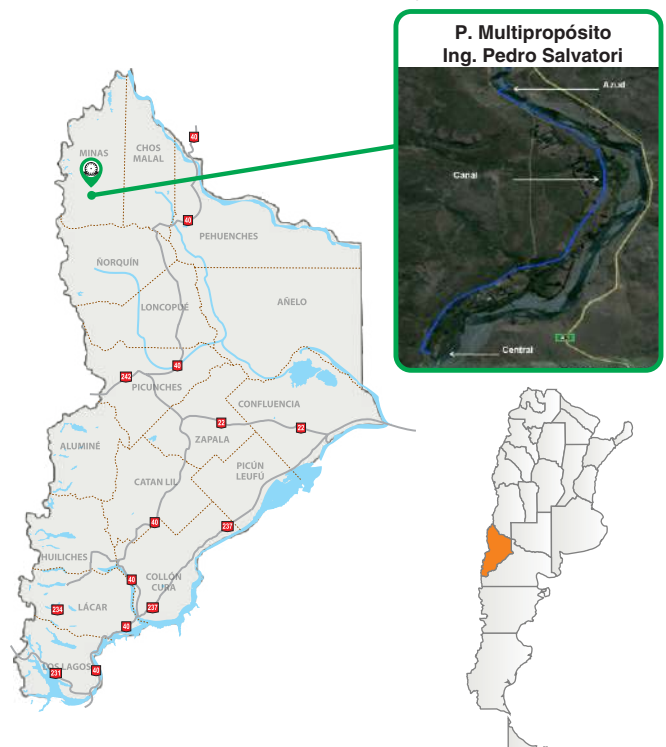
“ING. PEDRO SALVATORI” MULTIPURPOSE PROJECT VILLA DEL NAHUEVE - NEUQUÉN PROVINCE

Nahueve multipurpose project consists of a hydropower plant that will contribute to improving the quality and reliability of electrical service in the northern part of the province and will also expand the areas under irrigation, both by gravity and pumping, allowing land adjacent to the conduction canal to be brought into production. It will also improve the water supply for human consumption. The project is located on the Nahueve River in the Minas Department and in the communal land of Villa del Nahueve local committee, in the north of Neuquén Province.

Data Sheet

General Technical Features

- Project Type: Hydraulic Circuit (Weir, intake works, conduction canal, forebay, penstock, powerhouse, and tailrace).
- Hydraulic Jump: 29.07 m
- Design flow: 18 m³/s
- Nahueve River's average flow: 41 m³/s
- Electrical capacity: 4,600 kW
- Availability factor: 81.9%
- Approximate annual power generation: 31.9 GWh (* equivalent to supplying 9,000 homes)
- Construction period: 5 years



The project was partially financed by the Abu Dhabi Fund for Development through a US\$15,000,000 loan, with the remaining balance from the Province of Neuquén's own funds.

The project has been underway since July 2020, with both installed turbochargers expected to be tested by mid-2025, and all works to be completed by the third quarter of 2025.

The companies contracted for its execution are:

- Rovella Carranza S.A. – I.M.E. S.A. U.T. in charge of the Civil Works of the construction site and for the installation of the hydromechanical and electromechanical equipment. Tender 01/2019.

- WWS Wasserkraft GmbH (Austria) in charge of the supply of electromechanical equipment and supervision of its installation. Tender 02/2021.
- Latinoconsult S.A. – Intertechne Ingeniería S.A. Cooperation Consortium in charge of the Engineering Assessment and Construction Inspection.

33 kV Medium Voltage Line Interconnection and Complementary Works: This work, which was originally to be performed by the Civil Contractor, will be awarded to an independent contractor, yet to be designated.

Current Status

Progress of the civil works is 83.4%. The remaining amount to be executed and certified, updated to February 2024 prices, is \$8,275,505,000, including VAT.

The electromechanical work is 90.0% complete