

**JUN ANTONIO BUSTINZA
GEOLOGIST ENGINEERING**

CURRICULUM VITAE

1. **Family Name:** Bustinza
2. **First Name:** Juan Antonio
3. **Date of birth:** 17th January 1952
4. **Nationality:** Spanish Argentine
5. **Civil status:** Married
6. **Education:**

<i>Institution [Date from - Date to]</i>	<i>Degree(s) or Diploma(s) obtained:</i>
University of Córdoba – Faculty of Civil Engineering [February 1970 – February 1976]	Graduated in Geologist Engineering

7. **Language skills** (1 - excellent; 5 - basic):

<i>Language</i>	<i>Passive</i>	<i>Spoken</i>	<i>Written</i>
Spanish	Mother tongue		
English	1	2	2
Portuguese	1	2	2
Italian	1	3	3
French	5	5	5

8. **Membership of professional bodies:**

- IAEG; International Association for Engineering Geology.
- ICOLD; International Commission on Large Dams.
- SAIG; Argentine Society of Geotechnical Engineering.
- ASAGAI; Argentine Association for Engineering Geology.
- CAP; Argentine Committee on Large Dams.
- AATES; Argentine Association of Tunnels and Underground Space.
- AGA; Argentine Geological Association.

9. **Other skills:**

Experience in computer programs for office management, project management, CAD.

10. **Present position:**

Managing Partner in Tecnoed Ingeniería SRL (Argentina)
Dam expert in Electroconsult for Dudhkoshi HPP and dam
Independent Consultant for Interamerican Development Bank,

12. **Key qualifications**

Uninterrupted professional expertise since 1976 in major civil engineering projects, mainly hydropower, large dams, tunnels, embankments, roads rockfall, mining, etc. Geological and geotechnical topics in different projects and geological environments, planning studies, preliminary design, prefeasibility and feasibility studies, environmental impact studies, final design, bidding documents, bidding processes and bid evaluations, detailed design, construction management and supervision, monitoring system, remedial design and adjustments of many civil works.

13. Experience record

Date from	Date to	Location	Employer/Client	Position	Description
Sep 2016	On going	Bolivia	Interamerican Development Bank	Dam expert	Renewable energy project hydroelectric Rositas, installed 400MW, dam 180 m high. Support for review of hydraulic aspects of the design and tender documents.
Jun 2016	On going	Nepal	World Bank / Electroconsult	Dam expert	Dudh Koshi HPP and dam, Installed 300MW, dam 170 m high. Revision of the feasibility and project alternatives, detailed design and tender documents of the selected solution, investigations, EIA, SIA, RAP. Team of the consultant 500 m/m.
Ago 2016	On going	Guyana	Interamerican Development Bank	Geological Geotechnical expert	Moco- Moco SHPP. Geological risk assessment on the repair project. Elaboration of the Terms of Reference for the geological and geotechnical research.
July 2013	On going	Argentina	Decavial Company	Surveillance Dam expert	El Bolsón Project: RCC dam 67m high. New monitoring system design and elaboration of terms of reference for implementation.
Nov 2007	On going	Argentina	HC Company	Dam expert	Las Tunas Dam and irrigation system: Final design and Permanent technical assistant during construction.
Mar 2015	Jul 2015	Argentina	Tecnored Ingeniería	Dam expert	Neuquén Medio System, HPP and 4 Dams: Assessment and Technical proposal for Design
Sep 2015	Dec 2015	Argentina	Tecnored Ingeniería	Dam expert	El Baqueano HPP and dam : Assesment and Technical proposal for Design
Feb 2014	May 2015	Bolivia	Interamerican Development Bank	Dam expert	Water supply project for La Paz and El Alto: Audit and Review of Design during bidding for construction. RCC dam 40 m high, Rockfill dam 25 m high, water conduits and treatment. .
Apr 2014	Aug 2014	Argentina	Tecnored Ingeniería	Dam expert	Mojotoro HPP and dam: Assesment and Technical proposal for Design
Sep 2014	Oct 2014	Indonesia	Electroconsult	Geological Geotechnical expert	Upper Trishuli 3b hydroelectric project: Development of underground construction project methodologies for proposal of the Executive Project.

Sep 2014	Oct 2015	Nepal	Electroconsult	Geological Geotechnical expert	Matenggeng Pumped Storage: Development of underground construction project methodologies for proposal of the Feasibility Studies.
Sep 2014	Oct 2014	Ethiopia	Electroconsult	Geological Geotechnical expert	Tams Dam Hydroelctric Project: Technical assistance for Final Design.
Oct 2014	Nov 2014	Argentina	Tecnored Ingeniería	Dam expert	Burrumayo HPP and dam: Assesment and technical proposal for Design
May 2013	Jun 2013	Argentina	Tecpetrol	Geological Geotechnical expert	Yacimiento La Jarilla: Slope stabilitation treatment. Design and Tenders Documents.
Aug 2012	Sep 2012	Argentina	Tecnored Ingeniería	Geological Geotechnical expert	San Martín de los Andes: Geological risk assessment and slopes stability treatment design.
Jan 2012	Dec 2012	Argentina	Chin Harbour Engeniering Company	Geological Geotechnical expert	Deep Space Antenna: Geological and Geotechnical studies for foundation design.
Sep 2012	Oct 2012	Guatemala	Interamerican Development Bank	Geological Geotechnical expert	La Unidad – Ucubujá SHPP: Geological and geotechnical assesment for development of SHPP in Gutemala, paticulary La Unidad and Ucubujá
July 2012	Oct 2012	Argentina	HINISA	Geological Geotechnical expert	Nihuil HPP: Slope stability assesment and risk evaluation. Rehabilitation design.
Apr 2012	Dec 2014	Argentina	La Alumbreira Mining	Geological Geotechnical expert	La Alumbreira Mining Open Pit: Slope stabiliy assesment and treatment design.
May 2012	Nov 2012	Paraguay	IMPISA	Dam expert	Yguazú HPP and dam: Assessment and technical proposal for Design and Construction.
Mar 2012	May 2013	Bolivia	Misicuni Company	Dam expert	Misicuni HPP and dam: Conceptual review of CFRD dam design and optimization of monitoring system and safety of the dam.

May 2011	Oct 2012	Argentina	IMPISA	Dam expert	N.Kirchner HPP and dam: Assessment and technical proposal for Final Design and Construction.
May 2011	Oct 2012	Argentina	IMPISA	Dam expert	J.Cepernic HPP and dam: Assessment and technical proposal for Final Design and Construction.
Feb 2011	Jul 2012	Argentina	Tecnored Ingenieria	Dam expert	Portezuelo del Viento HPP and dam: Geological and gotechnical conditions assessment, and Moitoring System Design.
May 2011	Dec 2011	Argentina	HYDRO FUTALEUFÚ Company	Geological and geotechnical expert	Futaleufú HPP and dam: Geological and geotechnical studies for Earthquake Resistant analysis of Head Race bridge pipeline.
Feb 2010	Dec 2013	Argentina	Gasoducto Norandino	Tunnelling expert	Tunnel Gas Pipeline Norandino: Geological and geotechnical studies and assessment; tunnel final design; Project manager during construction.
May 2011	Oct 2011	Argentina	Cartellone Company	Tunnelling expert	National road 150: Geological and geotechnical assesment for the tunnel stability and construction.
Jun 2011	Aug 2011	Argentina	HIDISA	Geological and geotechnical expert	Agua del Toro HPP and dam: Geological and geotechnical studies for slope stability treatment design.
Abr 2010	Dec 2010	Argentina	IMPISA	Dam expert	Los Blancos HPP and dam: Assessment and technical proposal for Final Design and Construction.
May 2010	Nov 2010	Panamá	Halcrow	Geological and Gotechnical expert	Sewage system tunnel for Panamá City: Geological and geomechanical conditions assesment for TBM sahft and tunnel portal, under construction.
Jul 2008	Nov 2009	Bolivia	Corani Company	Tunnelling expert	Corani HPP and dam: Geological and geotechnical assesment; monitoring system design in concrete lining broken due to expansive material adjacent.
Mar 2009	Nov 2010	Argentina	Rovella Carranza Company	Dam expert	Saladillo Dam: Foundation Treatment and Monitoring System Final Design.Work supervisión
May 2009	Dec 2009	Argentina	IMPISA	Dam expert	Chihuido I HPP and dam: Assessment and technical proposal for Final Design and Construction.

Feb 2008	Dec 2009	Argentina	Techint Panedile UTE	Dam expert	Los Caracoles HPP and dam: Assesment and technical assistance for the evaluation of first filling of the reservoir.
Feb 2008	Nov 2011	Argentina	Rio Negro Province	Dam expert	Salto Andersen HPP and dam: Heightening final design and tender documents.
Jan 2007	Sep 2012	Argentina	HINISA	Dam expert	Nihuil II HPP: Permanent assessment of the structure's integrity of penstock affected by expansive clys, and the power house affected by alkali-silica reaction (ASR).
Apr 2007	Jun 2007	Argentina	HPDA Company	Dam expert	Piedra del Aguila HPP and Dam: Piezometric level evolution in the big paleo channel on left bank and its deformation, after 10 years of fill reservoir.
Jul 2007	Aug 2007	Mexico	ICA Company	Dam expert	La Yesca HPP and Dam: Geological and geotechnical conditions review, assessment for construction methodology, construction risk evaluation and recommendation for bid.
Sep 2006	Dec 2007	Argentina	HYDRO CASA PIEDRA Company	Geological and geotechnical expert	Casa de Piedra HPP and Dam: Technical assistance during quarry development, for rip rap material.
Sep 2006	Feb 2007	Argentina	AES	Geological and geotechnical expert	Cabra Corral HPP and Dam: Geoestructural studies and assessment conditions in right bank, seepage and piezometric evolutions and recommendatiom for remedial works.
Oct 2006	Dec 2006	Argentina	HYDRO FUTALEUFÚ Company	Geological and geotechnical expert	Futaleufú HPP and dam: Geological and geotechnical studies for Earthquake Resistant analysis of Intake tower.
Jan 2006	Feb 2007	Argentina	HYDRO TUCUMÁN Company	Monitoring expert	Rio Hondo HPP and Dam: Planning, direction and supervisión of drill holes for extensometer and piezometers on dam foundation.
May 2005	Jul 2006	Argentina	HYDRO TUCUMÁN Company	Monitoring expert	Escaba HPP and Dam: Planning, direction and supervisión of drill holes for extensometer and piezometers on dam foundation.
Jan 2005	Jul 2006	Argentina / Paraguay	IMPISA	Dam expert	Aña Cua HPP: Elaboration of Works methodologies and tender documents.