

Ricardo Aguilar

Electromechanical Engineer

 Ricardo Aguilar  ric_aguilar_  ricardo-aguilar



EXPERIENCE

2015 - 2019

FREELANCE ENGINEER:
Currently, I am working as an independent engineer for these companies:

- YACYRETÁ HYDRO POWER STATION: Site Supervisor - Head in the generators rehabilitation project of Yacyretá Hydro-electric Power Plant. Reference contact: MSc. Eng. Gabriel Tarnowski (Tel. +54 9 3755 540675).
- MECANALISIS S.A. Generators maintenance supervisor, dielectric test engineer, field service engineer. www.mecanalisis.com.ar
- SULZER Turbo Services Argentina - Head of, on site turbo generators maintenance. Reference: www.sulzer.com/es-es/spain/services/rotatingequipment-services
- DMA Energía - Electrical supervisor, dielectric test engineer for condition assessment of rotating electrical machines. References: www.dmaenergia.cl
- CEED (Centro de Estudios de Energía para el Desarrollo) Freelance consultant in everything related to hydro generators maintenance. www.ceed.org.ar.
- Mediciones ALSER S.R.L - Dielectric and magnetic test engineer of large turbo, and also hydro generators. Reference contact: Eng. José Mazzola - Tel (+54 9 11) - 4544-7149.
- rotantes.

2015 - Actualidad

- **MEDICIONES ALSER S.R.L**
In this company, I have carried out dielectric tests on machines up to 22 kV and ELCID tests on machines up to 760 MW.

Condition assessment in large rotating electrical machines.

Reference contact: Eng. José Mazzola - Tel (+54 9 11) - 4544-7149.

2015 - 2017

- **ELECTROMECAÁNICA KOLOCSAR S.A.**
Head of Laboratory in dielectrics and magnetic tests, on rotating machines.

Supervisor of on-site rewinding operation.

Quality testing on medium voltage stator coils.

Rotors dynamic balancing according to ISO 1940.
Reference contact: Paola Kolocsar - Tel. (+54 11) 4729-6729**4720-5144

ABOUT ME

I am an Electro Mechanical Engineer with experience in condition assessment of large rotating electrical machines (motors, hydro, and turbo generators).
I have practical experience in the development and execution of dielectric and magnetic tests (ELCID) on machines up to 760 MVA. Also, I have the ability to carry out maintenance supervision of on-site repairs in turbo generators. As well as, the ability to work individually or as a team member. One of my life goals is to travel internationally.

CONTACT

-  Mercedes 52, Oberá, Misiones.
-  +54 9 3757 442416
-  contacto@raguilar.com.ar
-  www.raguilar.com.ar

HOBBIES



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ACADEMIC

DEGREE COURSES

2010 - 2015

UNIVERSIDAD NACIONAL DE MISIONES (UNAM)
Degree in Electro Mechanical Engineer. College of Engineering, Oberá, Misiones, Argentina.

UNDERGRADUATE CAREERS

2007 - 2010

BACHELOR DEGREE INSTITUTO TÉCNICO SUPERIOR
Technician in Designing and Assembling Electromechanical Facilities, Puerto Esperanza - Misiones, Argentina.

OTHER SKILLS

Spanish ----- ●●●●●●●●

English ----- ●●●●●●●●

SOFTWARES

- MATLAB
- ATP (Alternative Transients Program).
- COMSOL Multiphysics (Software de modelado multifísico por método de elementos finitos).
- ANSYS Maxwell (Electromagnetic field simulation software).

RESEARCH

Project: **“Condition Assessment of Stator Windings Insulation Systems of Rotating Electrical Machines through Condition Index”**.
Research project professor: Dr. Ing. Mario Orlando Oliveira.
Institute: Facultad de Ingeniería, Oberá-Misiones, Argentina.

Project: **“Fault Diagnosis in Stator Windings of Rotating Electrical Machines using Electrical Signals”**.
Research project professor: Dr. Ing. Manuel Armando Mazzeletti.
Institute: Facultad de Ingeniería, Oberá-Misiones, Argentina.

Project: **“Analysis of In-Service Distribution Transformers, Considering Losses and Forecast Life Time”**.
Research project professor: Dr. Ing. Mario Orlando Oliveira.
Institute: Facultad de Ingeniería, Oberá-Misiones, Argentina.

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TECHNICAL PAPERS

Title: **“Deterministic Model for condition assessment of electric generators stator windings insulation systems based on condition index.”**

Authors: R. Aguilar, M. Oliveira, E. Barberán, F. Britez, A. Mazzeletti, O. Perrone. Technical.

Magazine: +INGENIO - Revista de Ciencia Tecnología e Innovación. ISSN 2618-5520 Vol 1.

Title: **“Finite Element Analysis, Application for Failure Studies in High Voltage Bushings of Power Transformers”**

Authors: R. Aguilar, M. Oliveira, O. Perrone, R. Pintar, F. Marull.

Technical Congress: XVII ERIAC Encuentro Regional Iberoamericano de CIGRÉ.

City: Ciudad del Este, Paraguay - 2017.

Title: **“Forecast Life Time of Transformers, Considering the Degradation of Insulating Paper”**

Authors: R. Aguilar, J. Monzón, M. Oliveira, O. Perrone, R. Pintar, F. Marull.

Technical Congress: XVII ERIAC Encuentro Regional Iberoamericano de CIGRÉ.

City: Ciudad del Este, Paraguay - 2017

POSTGRADUATE COURSES

“QuartzElec - Generator Electrical Diagnostic Tests: Training for power station engineers” (Argentina, March - 2020). Language of the course: English.

“IMPSA Hydro - International Seminar for Hydroelectric Power Plant Operators” (July - 2018). Language of the seminar: Spanish.

“Treinamento em Modelagem Multisica - COMSOL Multiphysics ®” (June - 2019). Language of the course: Portuguese.

“Use of Finite Element Tool in the Draft of Magnetic Devices” (2014). Language of course: Portuguese.

“Modelado y Simulación de Sistemas Continuos. Aplicaciones en Ingeniería Eléctrica” (May - 2019). Language of the course: Spanish.

“Simulación de Componentes Eléctricos” (2014). Language of the course: Spanish

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