Ricardo Aguilar

Electromechanical Engineer









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 Hydroelectric 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.

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 — ELECTROMECÁNICA 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.

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HOBBIES









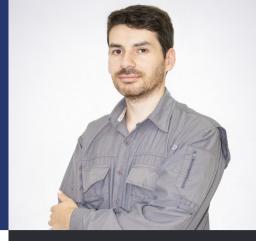
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ACADEMIC

2010 - 2015

DEGREE COURSES

UNIVERSIDAD NACIONAL DE MISIONES (UNAM)

Degree in Electro Mechanical Engineer. College of Engineering, Oberá, Misiones, Argentina.

UNDERGRADUATE CAREERS

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 Mazzoletti. Institute: Facultad de Ingeniería, Oberá-Misiones, Argentina.

Project: "Analysis of In-Service Distribution Transformers, Considering Losses and Forecast Life Time".

IResearch project professor: Dr. Ing. Mario Orlando Oliveira. Institute: Facultad de Ingeniería, Oberá-Misiones, Argentina.

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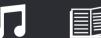
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TECHNICAL PAPERS

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. Mazzoletti, 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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