

**MECANALYSIS**

***REAL SOLUTIONS,  
WORLDWIDE REACH.***

If you want to find the secrets of the universe, think in terms of energy, frequency and vibration.

Nikola Tesla





"Our company has grown thanks to its people's talents. We do our best to find, create opportunities and retain those exceptional individuals that make the difference in tackling the most demanding industry challenges. We are an applied knowledge based company; and more than services, we provide solutions."

Juan Hidalgo - Founder & President

## COMPANY

Mecanalis is an independent engineering company serving mechanical and electrical rotating equipment mainly in the Power Generation and the Oil & Gas industries.

Founded, owned and operated by former OEM and Independent Service Providers' engineers and turbomachinery experts, it is staffed with highly qualified and experienced professionals who have worked in the most diverse and challenging environments worldwide.

Based in Mendoza, Argentina, it has an international established reach mainly in North and South America and a solid global growth projection.



## THE LANGUAGE OF LEADERS

Our vision is to become a leading engineering and service supplier for critical turbomachinery equipment. We work hard on building an outstanding reputation by committing to the assignment and doing our best to exceed expectations.

We are committed to supply a world class service while operating as a small "local" company with a flat structure and a short chain of commands, providing immediate and direct responses.

Having strong ties and decades long relationships with service providers in Europe and the USA, we speak the language of the best players in the business.

"We make the clients' concerns our own and tailor our response according to their needs. Knowledge and expertise are worth very little in the absence of commitment. There is no doubt our efforts are appreciated when the same clients keep coming back to us with new and more challenging requests."

Ismael Hazime - VP of Operations



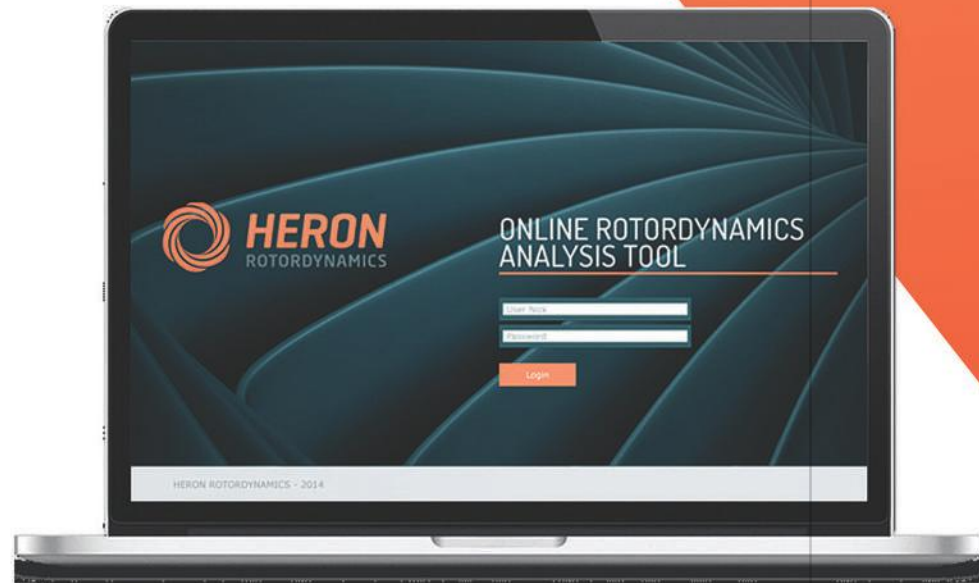


## CREATING A KNOWLEDGE SHARING CULTURE

At Mecanalis we believe in the importance of expanding our knowledge, transferring it to our team and sharing it with our clients.

Our training department works closely with Engineering, R&D and Operations to ensure we make the best use of the vast knowledge and experience we possess in-house.

The result is a carefully designed and updated training program intended to transfer academic and best practice knowledge in operation, maintenance, troubleshooting and vibration analysis to different levels of professionals.



## INNOVATION: *HERON ROTORDYNAMICS*

We are proud to rely on machines and software that have been designed, developed and built by our team, adding value to the common solutions available in the market.

**Heron Rotordynamics** is a web-based software capable of modeling a wide variety of rotating machines and their vibration characteristics. It allows modeling and predicting the dynamic behavior of any rotating machine and estimates the result of corrective actions or design changes while saving time, efforts and costs by reducing the uncertainty of vibration problem diagnosis.

The software was developed initially as a tool to be used internally to analyze dynamic behavior of rotors but it is now available for students and professionals under **Mecanalis** license.

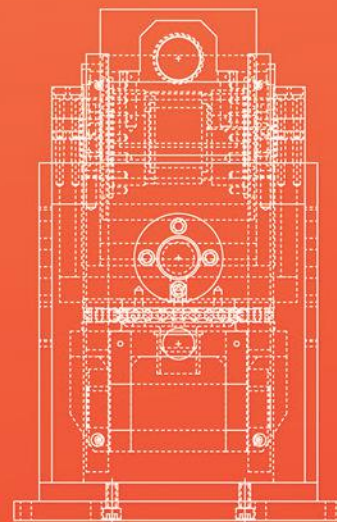
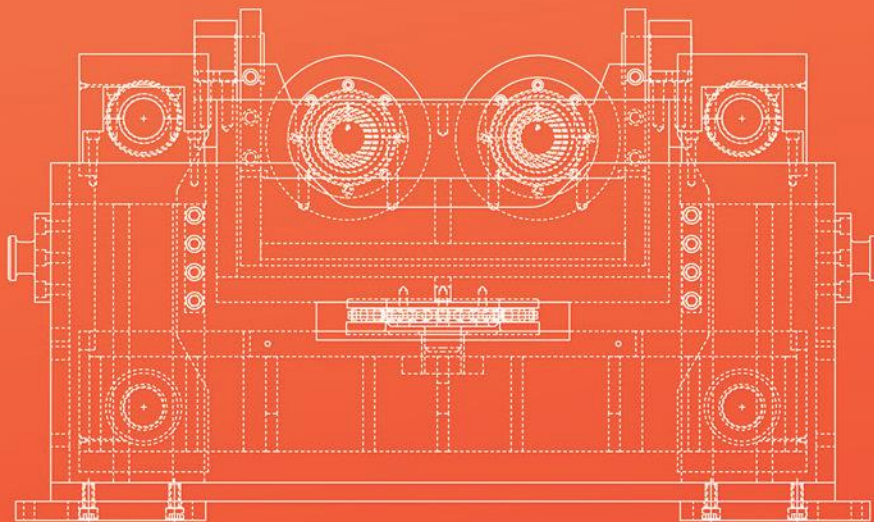
"**Heron Rotordynamics** is the result of 15 years of experience and development in the design and repair of turbo machinery and a new paradigm for the industry that now can "know and solve" instead of "guess and try" solutions for its critical rotating equipment."

Juan Hidalgo - Founder & President



# MOBILE BALANCING MACHINE MBM-100

We understand how critical rotor balancing is during a shutdown. With our mobile balancing machine, we can provide one of the best available solutions in the market including a wide range of benefits while eliminating risks that could easily lead to a nightmare.



With **MBM-100** the balancing ceases to be on the critical path and the activity is performed on site under the client's supervision, eliminating all risks related to transporting and other uncontrolled situations. Balancing results exceed those of other methods as all available balancing planes are exploited.

Up to **100 tons** of rotor capacity and attainable grades in accordance to ISO, API, DVI and MIL-STD-167-1.

"We realized that mobile balancing machines are almost absent in Latin America and getting a machine from Europe or the US is a real hassle. We thought we could provide a long-awaited solution and we were right; end users and service providers were booking us even before the manufacturing was complete!"

Ismael Hazime - VP of Operations





# EXPERIENCE

"Mecanalis has quickly turned around service requests and traveled to our project sites on short notice. That level of responsiveness, in addition to their technical knowledge and expertise, leads us to utilize them to augment our resources during busy outage seasons."

Andrew Ruehs - Dynamics Analysis Manager at Toshiba USA

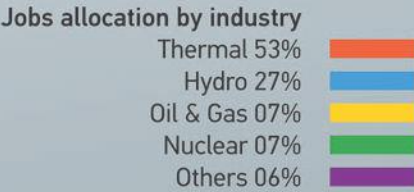
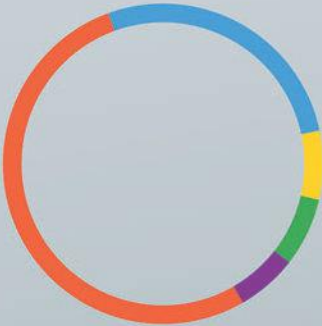
"We found in Mecanalis a strategic supplier for our retrofit projects in turbines due to their proven experience in modelling and vibration analysis."

Luis Navas - Project Leader and an ISA Certified Automation Professional (CAP)

"The vibration analysis performed by Mecanalis on our generating units have allowed us to obtain a precise diagnosis of our installed equipment and better plan our maintenance activities."

Eduardo Azcona - Hidroeléctrica El Chocón

Over 10.000 MW  
of intervened machines



Places where we have worked





## REAL SOLUTIONS

Our in-house experts are eager to troubleshoot, diagnose and solve any situation related to critical turbomachinery. Having strategic partnerships across the globe ensures that we can offer the adequate solution even when it does not fall under our area of expertise.

Building relationships that go beyond our list of services allows us to support clients all the way up to the successful operation of their equipment.

Developing unique services and custom solutions fitted to our clients' needs has increased their trust year after year leading to long lasting relationships.

Vibration analysis | On-site balancing and alignment | Roto-dynamic analysis  
Field service | Engineering and consulting | Training





**MECANALISIS® SA**  
Almirante Brown 465  
5501 Godoy Cruz - Mendoza  
Argentina

[www.mecanalisis.com.ar](http://www.mecanalisis.com.ar)  
[info@mecanalisis.com.ar](mailto:info@mecanalisis.com.ar)  
+54 261 5244807