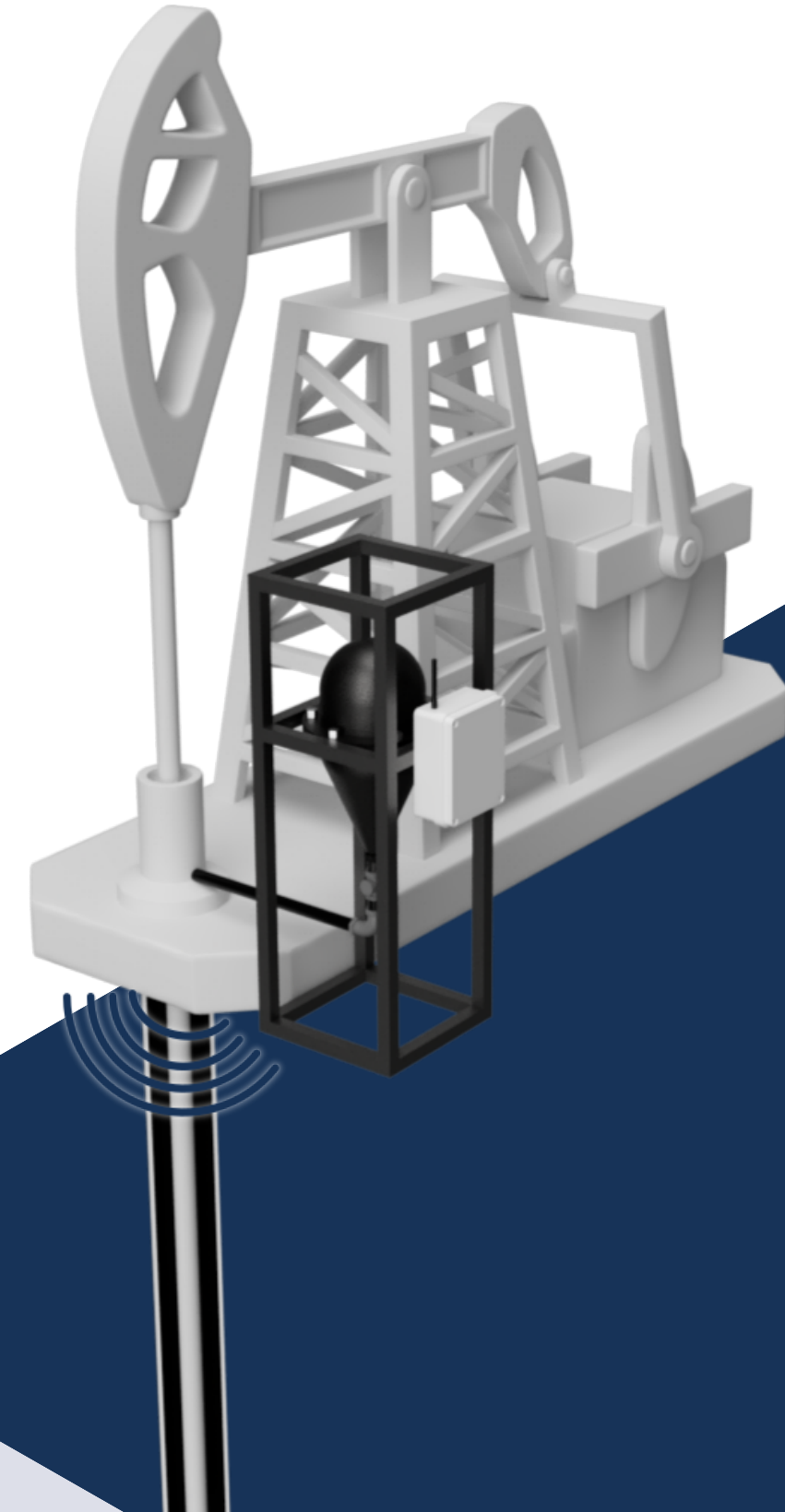


WellHorizon: Digital Level Meter

WellHorizon is a standalone digital echometer that allows remote and continuous monitoring of fluid levels in oil wells. It has a low-frequency wave emitter that travels through the tubing and a microphone that detects the produced echo. It does not require operator intervention. Through data processing and visualization software, it enables continuous monitoring of the level and regulation of pump speed based on pump submersion, or automatic control of well shut-off and activation, configurable by the user.



Main Advantages

- **Connectivity:** GPRS, Wifi, Ethernet, LoRaWAN, and RS485.
- **Compact dimensions.**
- **Simple and easy** maintenance installation.
- **GPS** positioning.
- **Continuous** level measurement.
- **Does not require** intervention from specialized personnel.

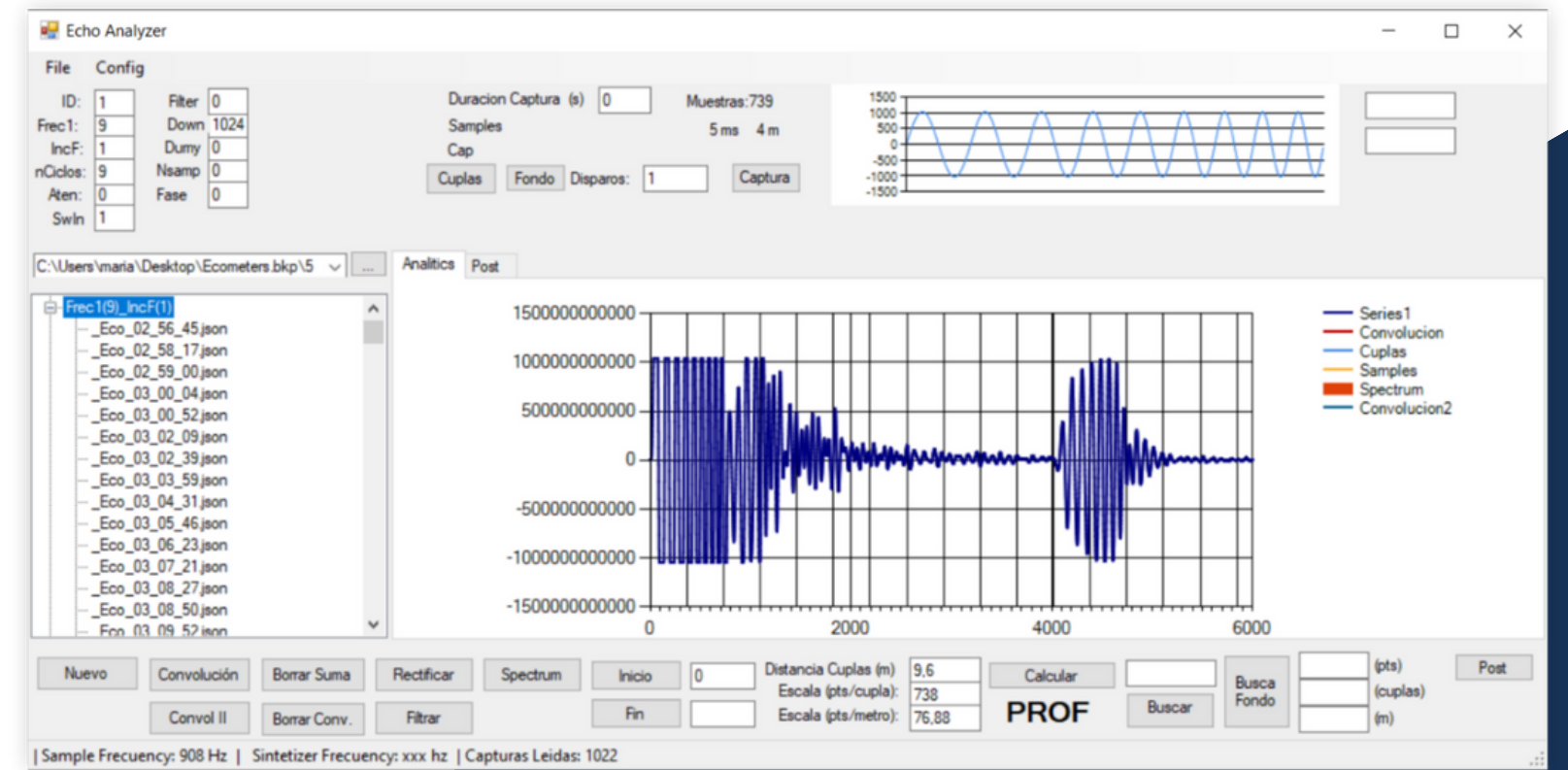
Why Choose WellHorizon?

- Production Optimization
- Reduction of Operating Costs
- High Precision even in Non-Ideal Conditions
- Prevention of Failures in Assets
- Simple Installation and Configuration



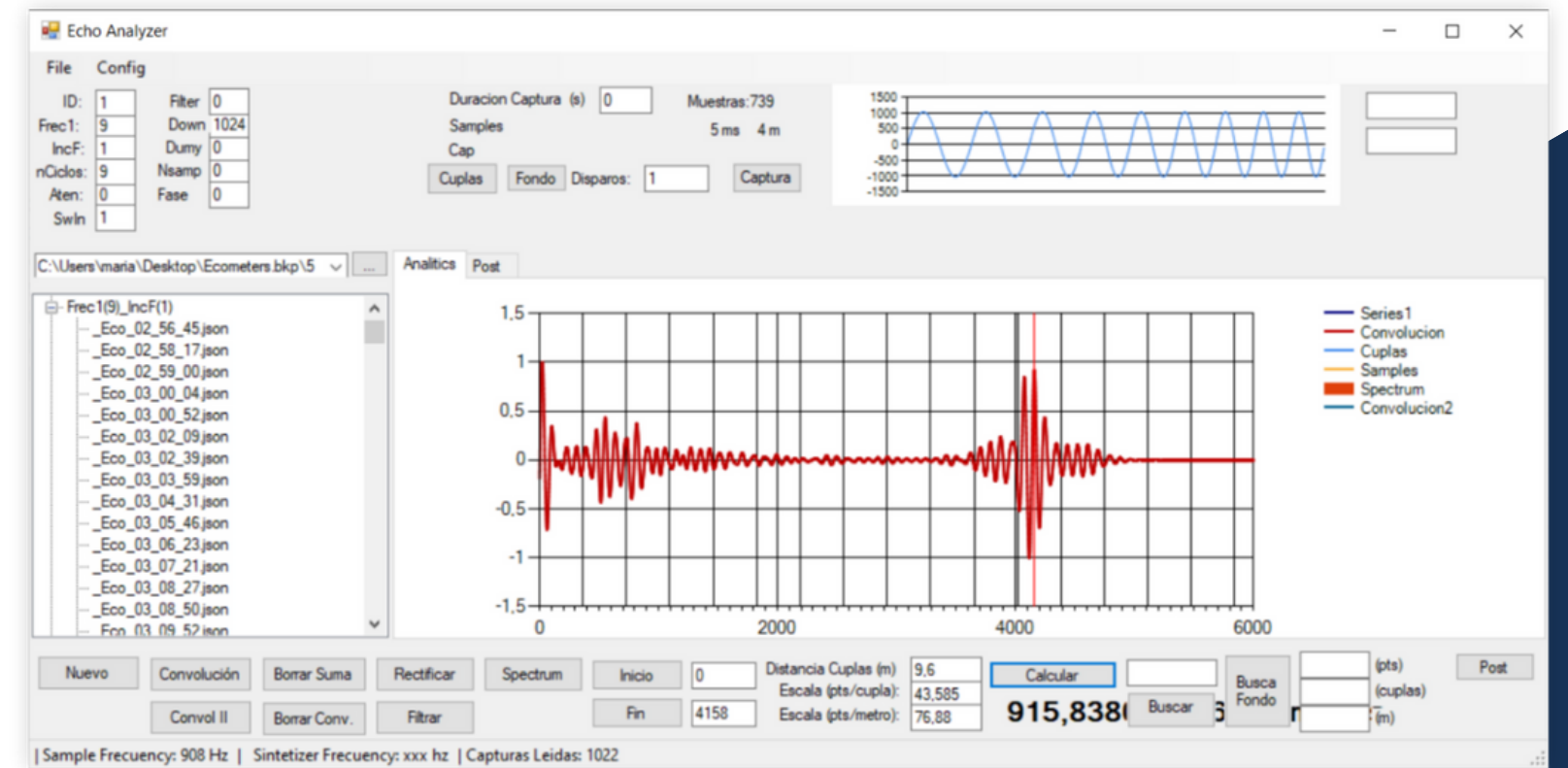
Data Visualization Software

An electroacoustic transducer emits a low-frequency subacoustic signal that travels through the annular space between the casing and tubing. Numerous shots are taken to have several samples that will be processed, first by averaging them and then by cross-correlating the resulting function with the same synthesized signal used in the echo generation.



Data Visualization Software

Fluid levels in oil wells can vary unpredictably during extraction operations. Knowing these values periodically and continuously allows awareness of the submersion level of the pump downhole, enabling the prevention of failures and breakdowns, preserving the lifespan of the installation, and reducing operating costs. Additionally, it allows for efficient operation of the productive asset to optimize production.



Technical Data

Dimensions	1,5m x 0,5m x 0,5m
Power supply	220v - 50Hz
Transducer Features	300 W - 2 Ω
Frecuency range	20Hz - 400Hz
Operating Temperature Range	-40° C a +80° C
IP certification	IP67
Sampling frequency	5Hz - 20Hz

