TENEURO

The missing data, on every machine.

The acquisition hub that connects your plant to Sibilla: it reads controllers and fieldbuses, gives a voice to silent machines and listens to vibration and sound. Designed, built and patented by Plasmiam. Affordable enough to cover the whole fleet.

Three roles in one device

Connection hub

Collects data from systems that already communicate (genset controllers, drives, compressors, inverters, engine ECUs) and brings it to Sibilla over a single channel.

Acquisition

Analogue and digital inputs for the transducers that are missing: pressures, temperatures, currents, status contacts.

Vibration and sound

Accelerometers and microphones for mechanical failures: bearings, gears, cavitation, looseness. Teneuro's speciality.

What Teneuro connects, and how fast

WHAT	EXAMPLES	LEVEL, UP TO SIBILLA	NOTE
Modbus RTU and Modbus TCP	Genset controllers, drives, compressor and blower controllers, PV dataloggers and inverters, PLCs with open Modbus	**1-day activation**	
CAN / SAE J1939	Diesel and gas engine ECUs: standard PGNs (speed, load, temperatures, pressures)	**1-day activation**	Proprietary PGNs and ECU diagnostics: project-based
Analogue 4-20 mA / 0-10 V	Pressure, temperature and flow transmitters; 4-20 mA vibration meters already installed	**1-day activation**	
Digital inputs	Run/stop, alarm contacts, pulse counters	**1-day activation**	
Unsupported buses	PROFINET direct, EtherNet/IP, IEC 61850, proprietary CAN	**Project-based**	Via the PLC, a historian or a gateway

Teneuro → Sibilla over MQTT is native; the broker can sit in your plant or in the cloud. Where an AVEVA PI historian or an active OPC UA server already exists, Sibilla connects directly and you don't need Teneuro.

When you don't need Teneuro

- Partial discharge and generator air gap: dedicated sensors are needed; Sibilla can read their trends.
- Where a vibration monitoring system or a historian already collects the data: we read that.
- Where the control system already says enough, and for protection and safety functions.

Next step: tell us what you have in the field — info@plasmiam.com · https://www.plasmiam.com/en/teneuro

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