Monitoring and Diagnostics

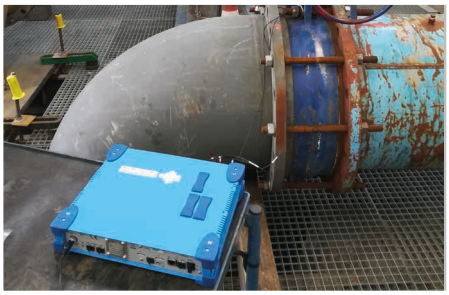
by OROS
MEASURING NOISE & VIBRATION

KEEP ASSET HEALTH CONTROL AT YOUR FINGERTIPS

OROS Multichannel Advanced Monitoring Solution continuously supervises the noise and vibration levels of your critical assets, notifying alerts autonomously when predetermined levels are exceeded and catching real time high added value data on the spot.

Performing long-term monitoring of the equipment's health allows maintenance teams to capture pre-failure indicators, to detect faults at an early stage, and to plan cost-effective interventions, reducing costs and risk of unexpected outages.

Why choosing OROS Monitoring solution?



Full control of your data: Complete ownership of your data and signals, much more than a simple report, and no extra fee for further diagnostics.

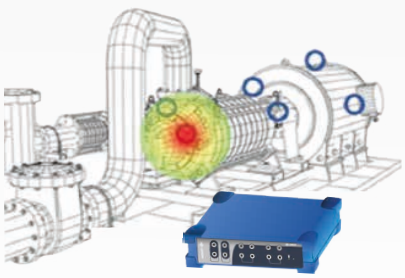
Advanced alarm triggering conditions: Going much further than simple overall levels by means of indicators and analysis capabilities offered by OROS solutions.

Pre-event time signal recording remotly downloadable for further analysis.

Complete and advanced post-processing capabilities: Benefits of all OROS software suite for diagnostics.

Based on OROS high-end field testing instrument range: State-of-the-art metrology for sensor conditioning and acquisition, on-board edge processing power and storage, all of these in portable and robust instruments designed for the field.

Site with/without network: Flexible storage capabilities, save data locally or remotely, suitable for sites with or without network.



On site

4G/5G

Internal Network

Remote access from anywhere 24/7

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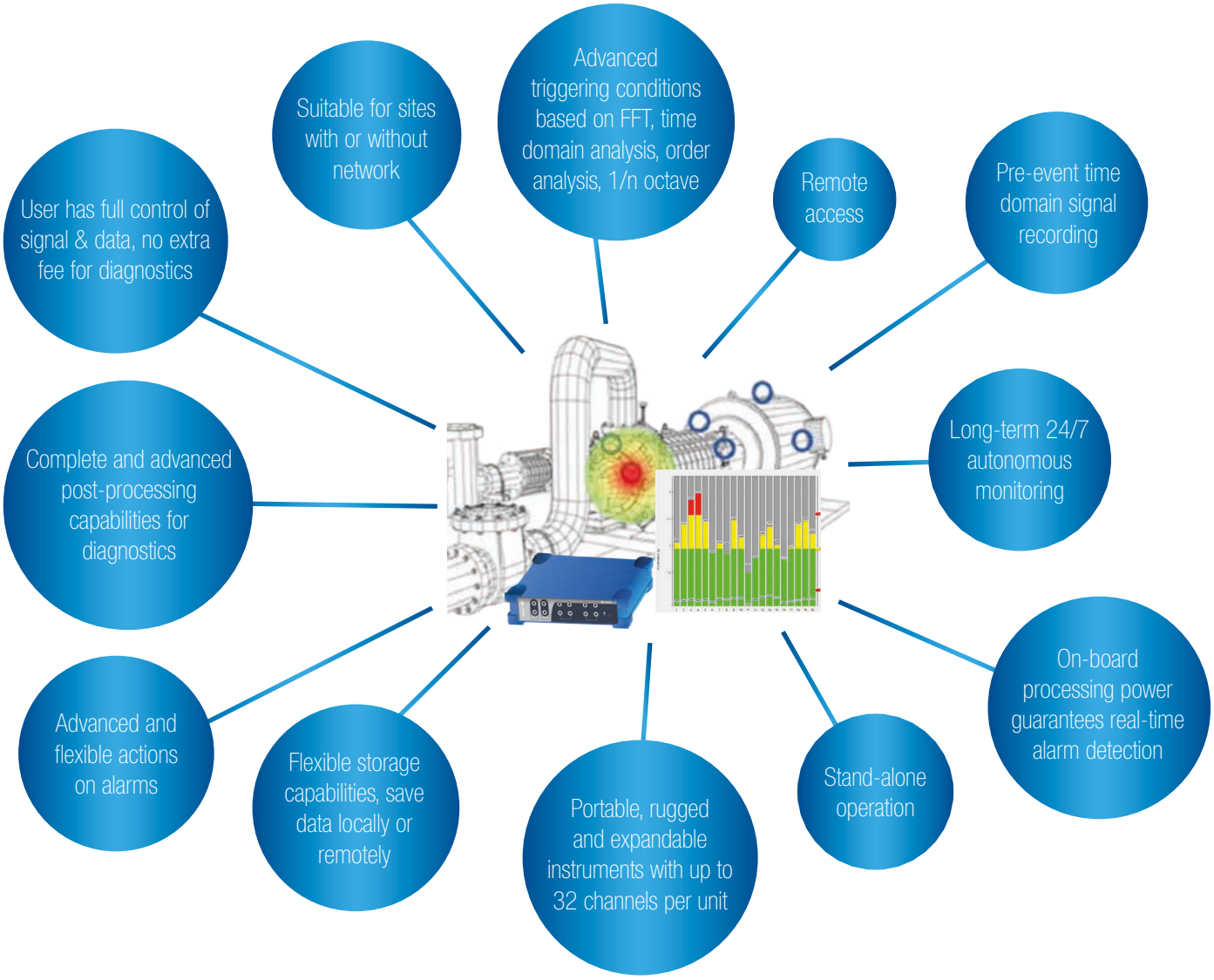
Focused & Simple Monitoring, Complete & Flexible Diagnostics



For your demanding world

- Turbomachinery
- Motors & generators
- Engines
- Fans & blowers
- Gear boxes
- Railways
- Construction sites
- Microelectronic workshops
- Civil infrastructure

From process to dynamic data

- Accelerometers
- Proximity probes
- Microphones
- Temperature
- Strain gauges
- Dynamic pressure
- Rotating speed sensors

From standard to advanced criteria

- Ov (rms, pk-pk, 0-pk), order amplitude and phase (0.5X, 1X, nX)
- Power band & filtered level
- Kurtosis, crest factor
- Frequency and order mask
- Noise criteria (dB, dBA)
- Custom & combinations of criteria
- Pre-trigger recording

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