

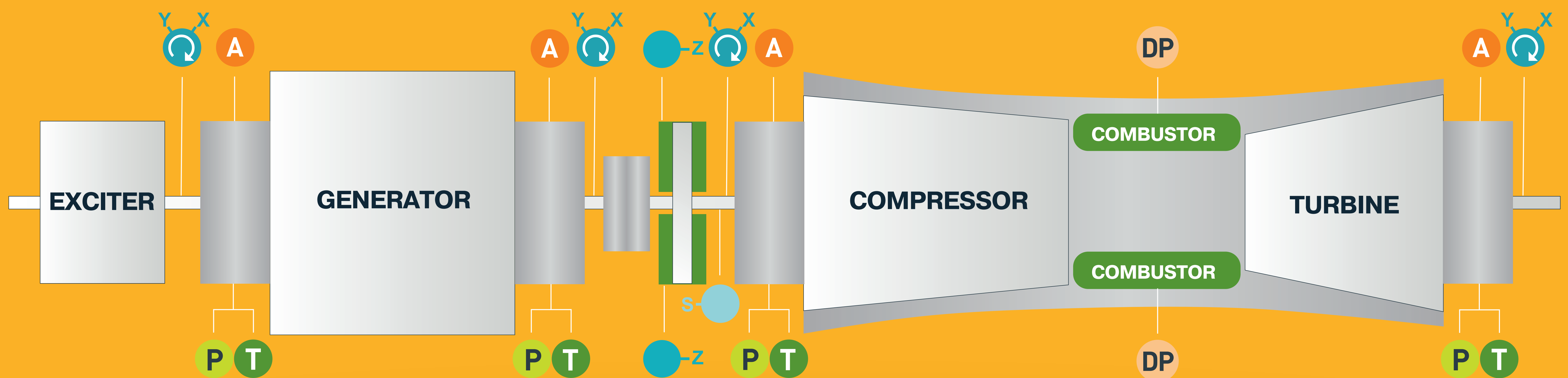


MEGGITT

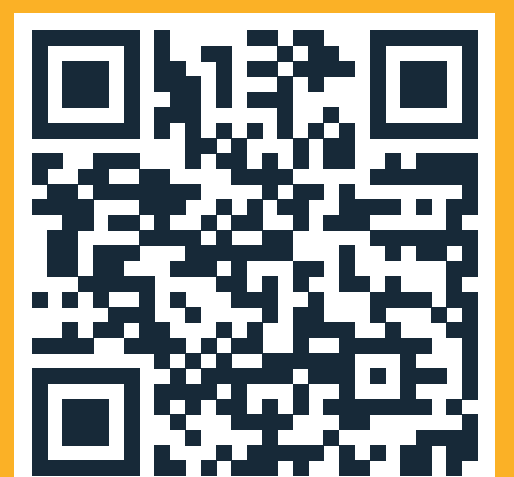
vibro-meter

# GAS TURBINE MONITORING SOLUTIONS

Trusted by leading OEMs worldwide



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## Measurements:

- |                               |                                       |                            |
|-------------------------------|---------------------------------------|----------------------------|
| <b>A</b> Absolute Vibration   | <b>X Y Z</b> Shaft Relative Vibration | <b>DP</b> Dynamic Pressure |
| <b>P</b> Lube Oil Pressure    | <b>-z</b> Thrust/Axial Position       | <b>  </b> Thrust Bearing   |
| <b>T</b> Lube Oil Temperature | <b>S</b> Speed/Phase Reference        |                            |

\*Although our product portfolio does not include oil pressure or oil temperature sensors, our monitoring systems can interface with most sensors and/or import data from third-party systems.

## SENSING

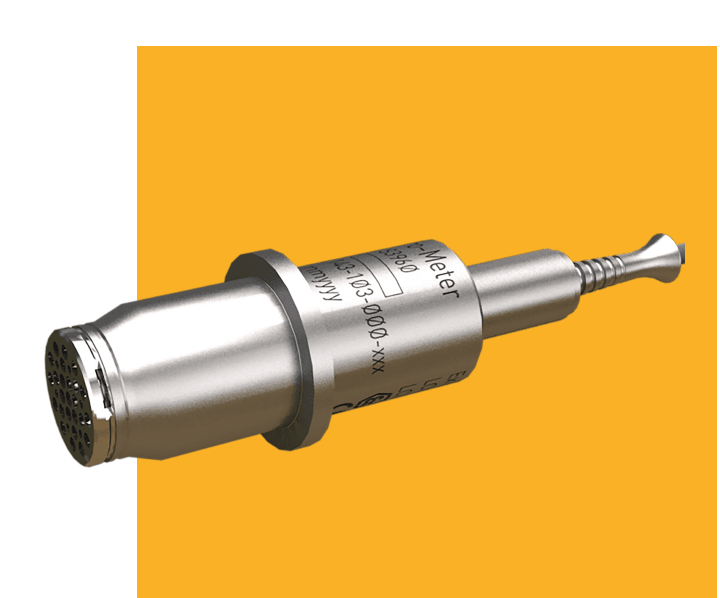
## MACHINERY PROTECTION & CONDITION MONITORING

## ASSET MANAGEMENT

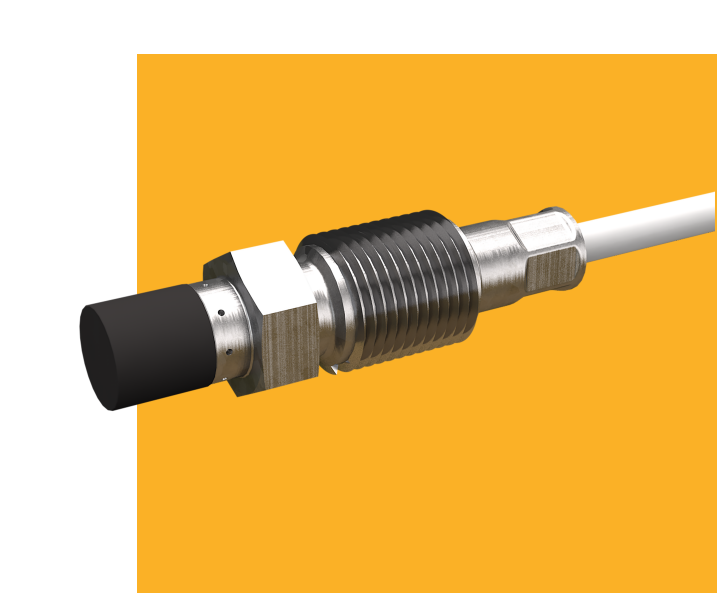
### Sensors & measurement chains



Absolute vibration

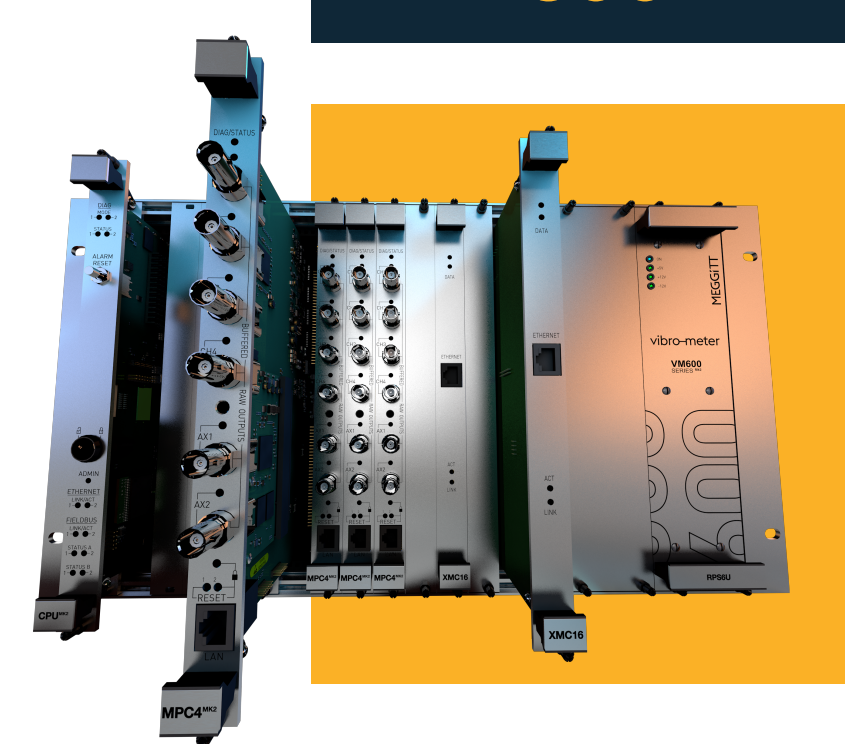


Dynamic Pressure



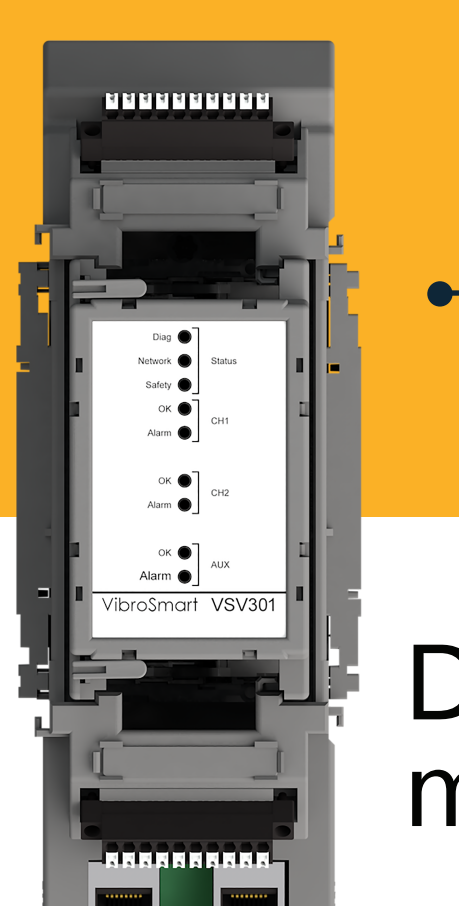
Speed/relative vibration

### VM600<sup>Mk2</sup>



Rack-based monitoring systems

### VibroSmart<sup>®</sup>



Distributed monitoring system

### VibroSight<sup>®</sup>



Data analysis & visualisation

WM

## HIGHLIGHTS

- Sensors designed to operate with higher reliability and meantime before failure (MTBF) in extreme environments; technology directly derived from our onboard aircraft equipment.
- Centralized (VM600) and distributed (VibroSmart) machinery protection and condition monitoring solutions.
- More than 10,000 VM600 systems and over 100,000 TQ proximity measurement chains installed world-wide.
- SIL rated systems that comply with IEC 61508 standards and API 670 5th edition.
- Integrated and cybersecure as per IEC 62443 standards.
- VibroSight software package offers extensive options for monitoring and analysing vibration data contributing to condition-based maintenance, which increases the service life and uptime of the machine.
- Customised configuration of the system and turnkey solutions through vibro-meter's sales network, including cabinets.

## Other monitoring applications:



Steam Turbine



Balance of Plant (BoP)

[www.meggittsensing.com/energy](http://www.meggittsensing.com/energy)

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