Veridian iDAC is Wood’s intelligent data collection solution that brings you the latest advances in acquisition hardware coupled with leading-edge analysis techniques.

The versatile device provides a cost-effective, safe and enduring monitoring solution for energy, chemicals and resource assets and industrial machinery, and infrastructure. The system operates remotely without the need for costly on-site support, making it ideal for short and longer-term assessments and remote locations.

Benefits include:

• Safe, easy and fast setup – reduced number of cable runs and faster installation
• Peace of mind – records continuously; problems can be identified as they occur
• Increased reliability – improved identification and analysis of potential problems
• Cost saving – significantly cheaper than using traditional staffed site surveys

• Expert support – our experts can help monitor, analyse and interpret data, providing better and faster solutions
• Better control of process parameters – issues can be correlated to process conditions, allowing operations to respond quickly
• Advanced analysis – our wide range of in-house advanced analysis capabilities can help solve the most complex problems (if required)

Intrinsically safe
For monitoring in hazardous areas, Veridian iDAC can be designed to be intrinsically safe – from enclosure to sensor

Remote connectivity
Remotely accessible from anywhere in the world – allowing for installation in remote locations and live streaming of data worldwide

Extreme conditions
Can be configured for extreme temperatures, pressure, wind and humidity – allowing for installation in the most extreme environments

Core system
The fully functional core system stores data locally and records autonomously for the duration of the installation, intervention and maintenance-free

Advanced sensor technology
Customisable solution for all your measurement needs through leading-edge technology partners

Independently powered
By incorporating alternative power sources such as wind or solar, the system can be deployed in areas where standard power sources may not be available

Control
Full integration with your operating system – data can be fed back into your control systems (DCS), ensuring the safety and reliability of personnel and critical machinery
Veridian iDAC applications

**Power plants**
- Power analysis
- Electrical performance monitoring
- Sub-station noise monitoring
- Transient noise monitoring (plant blowdown)

**Machinery**
- Condition monitoring
- Machinery troubleshooting
- Operating condition sensitivity assessment
- Adaptive noise assessments and control

**Renewable energy**
- Structural monitoring
- Power load monitoring
- Turbine blade fatigue assessment
- Drivetrain monitoring
- Hydrogen process monitoring
- Noise consent

**Mining**
- Dust dispersion and air quality monitoring
- Particulate monitoring
- Seismic activity monitoring
- Condition monitoring

**Infrastrucure**
- Highway noise
- Railway noise
- Airport noise
- Baseline environmental assessments

**Piping**
- Vibration monitoring
- Dynamic stress and fatigue assessment
- Transient event monitoring (slugging and blowdown)
- Dynamic pulsation and pressure monitoring

**Offshore**
- Riser, wellhead and flowline displacement and stress monitoring
- Jacket life extension
- Piping and machinery vibration monitoring
- Structural monitoring
- Process condition analysis

**Marine**
- Noise and vibration harshness testing
- Shaft torsional vibration analysis
- Marine structural monitoring
- Turret movement monitoring

**Contact our experts for further information**
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