

# Veridian iDAC

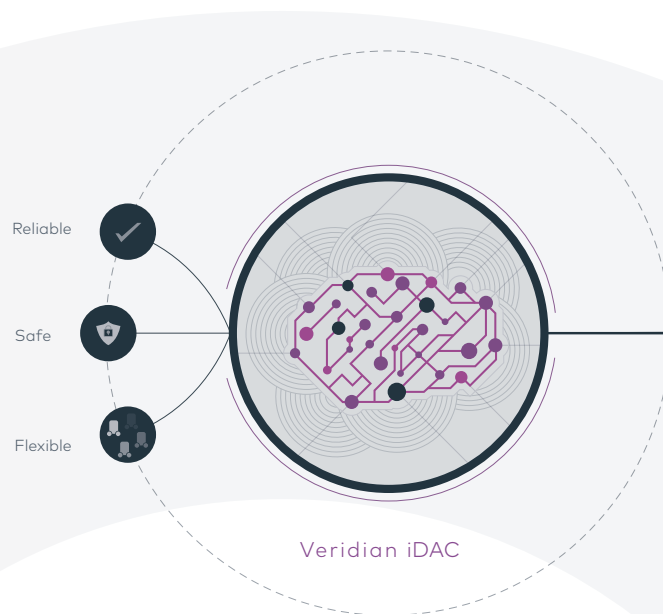
## Intelligent data acquisition



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.



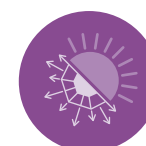
### Intrinsically safe

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



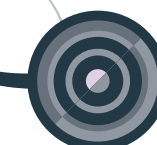
### Remote connectivity

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

### 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)

# Veridian iDAC applications

## Mining

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

## Machinery

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

## Power plants

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

## Renewable energy

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

## Infrastructure

- 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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