

Emissions Reduction Technology Showcase

Technology offering

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Optimise with mAI.

Industrial operators face challenges in managing costs, risks, and emissions. Wood's mAI uses technology and expertise to offer insights, improving decisions and performance.

Real-time asset performance

Wood Virtuoso is a suite of software tools for robust, real-time management of pipelines and process systems for oil and gas, carbon dioxide, and hydrogen.

Why mAI?

Improve plant reliability: Prescriptive recommendations for critical systems from our vast industry database.

Reduce emissions: Optimise power generation and gas systems, prevent flaring and methane leaks.

Elevate safety: Use smart strategies and tech to diagnose and predict failures, reducing costs.

Focus maintenance activities when and where they're needed

Empowering your decision making today

- **Backlog Optimisation:**
Streamline your maintenance backlog by identifying and re-prioritising workorders to free up capacity.
- **Spares Optimisation**
Ensure material availability to optimise the supply chain and maintain critical equipment.
- **Maintenance Strategy Optimisation**
Boost efficiency, cut costs, extend asset life, enhance productivity, reduce downtime, improve safety, and increase profits.

Wood mAI, agile AI solutions for maintenance.

Visit our website



Why Virtuoso®?

20 years of successful performance in the field

Over 100 Virtuoso systems have been deployed

Cutting edge solutions to detect leaks and their locations

Operations support to reduce venting and flaring

Streamlining production and asset management

Virtuoso helps manage the world's key gas resources and energy transition projects, to reduce the risk for operational upsets and subsequent emissions.

Providing your teams with:

- Monitoring and advisory functions
- Operational integrity
- Production operations management, and planning
- Performance assessment and optimisation
- Forecasting
- Asset integrity management

Use-case examples

Blockage and restriction detection
Closed-loop control
Data processing and analytics
Engineering simulator
Flare system monitoring
Leak detection
Operations advisory
Operations monitoring
Operator training system
Virtual metering

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