

# PARTNERSHIP WITH YOKOGAWA EUROPE INTEGRATED ASSET MANAGEMENT SOLUTIONS

OIL & GAS

**Yokogawa Europe and Roving Dynamics team up to assist oil & gas producers achieve operational excellence through automated, intelligent operation and asset management solutions.**



Yokogawa Europe, a leading supplier of industrial automation, and Roving Dynamics recently announced their partnership to provide automated intelligence solutions for the up- and downstream oil & gas industry.

Our unique OPENpredictor™ solution for machinery health prediction is now offered as an integrated part of Yokogawa's VigilantPlant® concept for complete industrial automation.

The cooperation covers solutions for

- offshore oil & gas production
- FPSOs
- Downstream LNG production
- Refineries
- Onshore gas compression

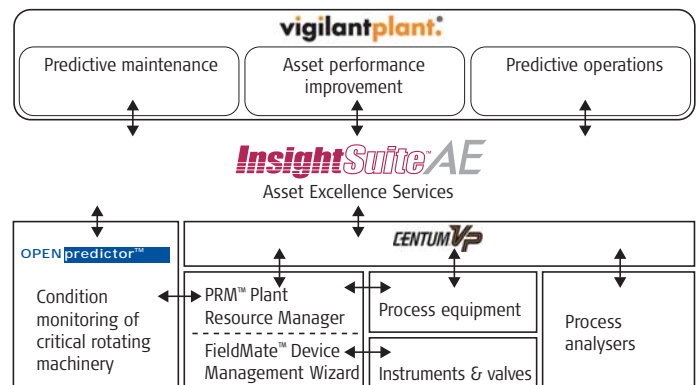
## From reactive to pro-active: Swift, predictable plant management

The oil & gas industry faces the challenges of shorter reaction time to adapt to changing market demand and lack of skilled and experienced people. This increases the need for automated operation and maintenance solutions, where tailored information easily can be retrieved and presented according to different users' needs.

Traditional stand-alone condition monitoring systems and operational management systems need to integrate and exchange information. OPENpredictor™ incorporated into VigilantPlant® provides a comprehensive solution to achieve best-in-class asset availability.

## Integrated operational & predictive maintenance information

OPENpredictor™ condition monitoring solutions provide automated fault diagnostics and



The base for Asset Excellence

predict lead time to inspection for rotating machinery.

"The system's embedded 'knowledge' of machine components' individual failure modes interprets measurements and recognizes and warns about abnormal behaviour and risk development," says Henk Smith, Roving Dynamics' Key Account Director Europe. "Such business critical information helps users improve process uptime and availability through minimized downtime of critical machinery, thus increasing revenue while reducing operational risk and cost. In other words: Reliability Centred Maintenance gets real body with OPENpredictor™."

VigilantPlant® is Yokogawa's unique industrial automation concept for safe, reliable, predictable and profitable plant operations. Based on their integrated production control system CENTUM VP, and plant asset management system PRM™ (Plant Resource Manager), the VP concept also embraces dedicated solutions for asset management (InsightSuite™), safety and

production excellence as well as partner solutions like OPENpredictor™.

OPENpredictor™ integrates information about machinery health, performance and reliability with Yokogawa's PRM™ and InsightSuite AE modules to achieve operational and asset excellence. It also uses process data from CENTUM VP to supply operators and maintenance engineers with predictive operation and maintenance information.

Information from sub-systems is incorporated using common data transfer standards and presented in a unified, intuitive user interface with integrated workflow management. Easy accessible, integrated operational and predictive maintenance information enables an ongoing state of operational excellence where plant personnel are attentive, well-informed, and ready to take actions that optimize plant and business performance – and can adapt to shifting market conditions quickly and efficiently.



### One-stop shop to achieve operational excellence

"Rovsing Dynamics' unique predictive and pro-active monitoring solution for the mission critical and capital intensive equipment supplements Yokogawa's portfolio to improve Customer asset availability," says Harry Hauptmeijer, President of Yokogawa Europe. "Our two companies share the common vision of fulfilling customers' objectives for safety, asset

and production excellence. Through our committed partnership, we are now able to deliver a complete asset management solution with asset predictability."

"We are excited to become a partner in Yokogawa's integrated VigilantPlant® concept. We can now meet customers' demand for one common solution from one supplier," says Thea Larsen, CEO of Rovsing Dynamics. "Oil & gas producers will benefit from the combined strengths of our two companies: Yokogawa's recognition as a dedicated, reliable total solution provider, and Rovsing Dynamics' specialized know-how in condition monitoring."

*Harry Hauptmeijer, President of Yokogawa Europe*



### About Yokogawa

Yokogawa is a global supplier of cutting-edge research and innovation and solution for industrial automation and control, test and measurement, information systems and industry support. In Europe Yokogawa have its own sales, service and engineering operations with subsidiaries and distributors to support specific customer needs.

### VigilantPlant® services

In addition to the integrated operation and asset management platform, Yokogawa also offers various VigilantPlant® services to identify improvement opportunities in oil and gas production using the Six-Sigma model:

- **Opportunity Identification** to reduce capital and

operational expenditure with Free Plant Analysis, Comparative Effective Analysis, Industry Benchmarking & Overall Equipment Efficiency Assessment.

- **Solution Implementation** to realize identified improvement potential in production efficiency, asset performance and safety e.g. through diagnostic tools to identify actual and future health of critical assets, bottlenecks etc.
- **Lifecycle Effectiveness** with support, maintenance and parts management and analysis to maintain & improve the effectiveness of the installed industrial Automation solutions.

*Read more on: [www.yokogawa.com](http://www.yokogawa.com)*

## YOKOGAWA USER CONFERENCE: DELIVERING THE PROMISE OF OPERATIONAL EXCELLENCE



The partnership with Rovsing Dynamics was announced during Yokogawa's User Conference

in Spain in September. The event provided about 300 of Yokogawa's customers (oil &

*The conference included a TecFair, where Henk Smith (right) from Rovsing Dynamics' presented our solutions for Condition, Performance and Reliability Monitoring of critical oil and gas machinery. The fair offered a complete overview of all the Yokogawa and partner solutions, which together form the VigilantPlant® concept for safe, reliable and profitable plant operations.*

gas producers), partners, press representatives and employees with a unique opportunity to

- build relationships and exchange information
- learn more about Yokogawa and its business partners' solutions, and how these support safe, reliable and profitable operations.

At the conference Henk Smith from Rovsing Dynamics presented a case with examples of the significant values, one of our customers has gained from using our OPENpredictor™ online monitoring solutions to optimize their operations and maintenance of a mature gas compression field.