



vigilantplant.[®]

The clear path to operational excellence

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Envision a plant...



... where people are watchful and attentive while your business responds to change quickly and efficiently.

Now picture an operation that delivers non-stop production while confidently expanding your capabilities into the future. Imagine no further. This is the vision and promise behind VigilantPlant, the clear path to operational excellence.

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Making critical plant information fully visible is just the beginning of the vigilant cycle. Seeing clearly gives you the knowledge necessary to anticipate the changes required in your process. Knowing in advance brings you the speed and flexibility to optimize your plant in real time. And by acting with agility, you are able to adapt to the ups and downs of your business environment. VigilantPlant excels at bringing out the best in your plant and your people - keeping them fully aware, well informed, and ready to face the next challenge.



ACT WITH AGILITY

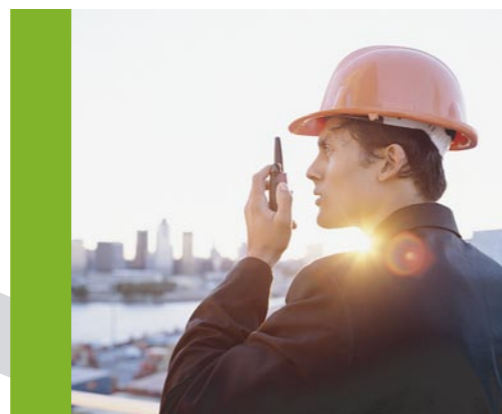
Agility of business

Value chain-driven responsive operation via adaptive production management and fast intelligent decisions

Predictive intelligence that anticipates changes and helps you plan your actions in advance

Predictability of process

KNOW IN ADVANCE



SEE CLEARLY

Visibility of information

Stable and accurate real-time information exchange throughout the plant



VALUE
CHAIN

Our shared goal is customer satisfaction through operational excellence

We see customer satisfaction as an ongoing achievement - a journey more than a destination. VigilantPlant helps your journey by empowering your value chain, leveraging automation solutions that integrate plant-wide information and optimizing plant life-cycle. When your people are attentive and watchful and your business responds to change quickly and efficiently, you secure:

- Competitive pricing
- On-spec product
- Regulatory compliance
- On-time delivery

Digital plant network is here. Is your plant ready for the future?

So what makes the vigilant approach essential to a leading edge plant? With the emerging capabilities of plant-wide digital networks, the future is nearer than you may think. VigilantPlant brings you to the forefront of the digital revolution, opening up rich new possibilities for a more integrated plant operation. Yokogawa helps you see, know, and act with greater confidence and ease while providing the tools and services to bring it all together.

SEE CLEARLY

Digital field instruments deliver stable and accurate process measurement with low installed cost and near zero maintenance. Web enabled technology allows these intelligent devices to continuously upgrade their capabilities online while keeping you informed of the plant floor conditions with dynamic predictive intelligence.

Less blind spots

Avoid guesswork, instability, sub-optimization



KNOW IN ADVANCE

Integrated asset management software leverages digital field information and keeps your production system in its best condition. Our field-proven suite of advanced process control software utilizes predictive software intelligence to further optimize your process, while a robust plant information management system integrates real-time production data and enables flexible production management.

Fewer surprises

Minimize reactive measures, unexpected downtime, quality variations



ACT WITH AGILITY

Broadband control system handles the wealth of bilateral digital field information with no performance bottlenecks. Advanced operation assistance technology further enhances your operational efficiency, enabling valuable operation expertise to be shared through intuitive software environment.

Free of bottlenecks

Reduce delays, lost opportunities, knowledge silos



Industry leaders on the clear path

Choose Yokogawa as your partner for operational excellence.
Let us be vigilant about your business!

“Commitment to working as a team”

**Jim Rawlings, ICS Specialist
Burullus Gas Co., Egypt**

"Yokogawa's commitment to working as part of a team resulted in an understanding of the project aims and objectives from the outset. Perhaps as important was that in choosing fieldbus technology we needed to rely on Yokogawa's knowledge of a system which none of the DMC/Burullus contingent had ever operated. Yokogawa's help in what was a very steep learning curve cannot be understated."

“Stabilize operation, maximize throughput”

**Jeeranee Theeranuwat, Assistant Vice President
The Aromatics (Thailand) Public Company Limited**

"We are impressed by Yokogawa advanced process control (APC) solutions, and we are satisfied with Yokogawa service. APC stabilized the process operation significantly and it also maximized unit throughput. Our APC uptime last year was 99.8%. We look forward to more technology/service from Yokogawa."

“Indeed a vigilant company”

**Tom Nobes, Senior CEI Engineer
British Nuclear Group, United Kingdom**

"Yokogawa is one of our preferred vendors of field instrumentation. They have also supplied Safety Systems and recently the latest FOUNDATION™ fieldbus technology. A great benefit is that we can count on high-quality services delivered by qualified professionals, who help us solve our instrumentation problems, not just sell us equipment. Thanks to their dedication, we are able to keep our plant operational and safe. We can also confidently expand our instrumentation capabilities to match our future. I would say that Yokogawa is indeed a vigilant company."

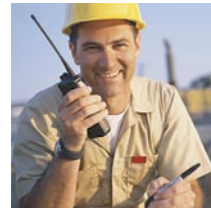
“Met and exceeded our expectations”

**Helmut Porkert, Chief Procurement Officer
ChevronTexaco, United States**

"Yokogawa has met and exceeded our expectations. ChevronTexaco would like a long-term business relationship with Yokogawa."



VigilantPlant = *The clear path to operational excellence*



Revamp and Expansion

Online Expansion,
Hot Cutover



Maintenance and Upgrade

Asset Optimization,
Online Upgrade,
Lifecycle Solution Support

Plant-wide integration

ERP
Optimize

Production Management

Plant Information Management,
Advanced Process Control

Asset Management and Operational Efficiency

Plant Resource Management,
Operational Efficiency Improvement



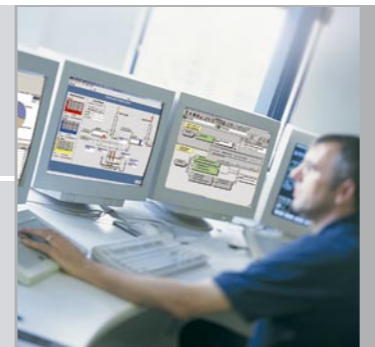
Control

Production Control and Safety Management

Production Control, Safety Management,
SCADA and Network-based Control

Data Acquisition and Logic Control

Recorders, Data Acquisition, IT Machine
Control, Single Loop Control



Measure

Analysis and Quality Control

Process Gas, Process Liquid, Stack Gas,
City Water, Waste Water Analysis

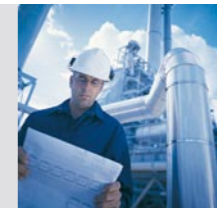
Sensing and Actuation

Pressure, Temperature, Flow, Level Measurement,
Final Control Elements,
Primary Elements and Auxiliaries



Design and Engineering

Front-End Engineering & Design (FEED), Main Instrumentation Vendor (MIV) Services



Installation and Commissioning

Site Engineering, Integration Tests, Turn-Key Services



Operation and Optimization

Optimization Consulting,
24/7 Operation Support,
Online Diagnosis Support



Life-cycle optimization



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SEE
CLEARLY

KNOW
IN ADVANCE

ACT
WITH AGILITY

VigilantPlant is Yokogawa's automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance.

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Represented by:



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