



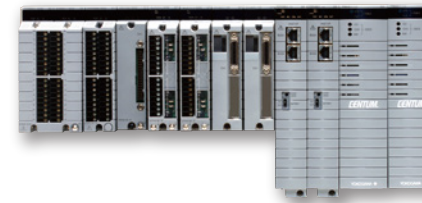
OpreX™ Control and Safety System

# Compressor Control System

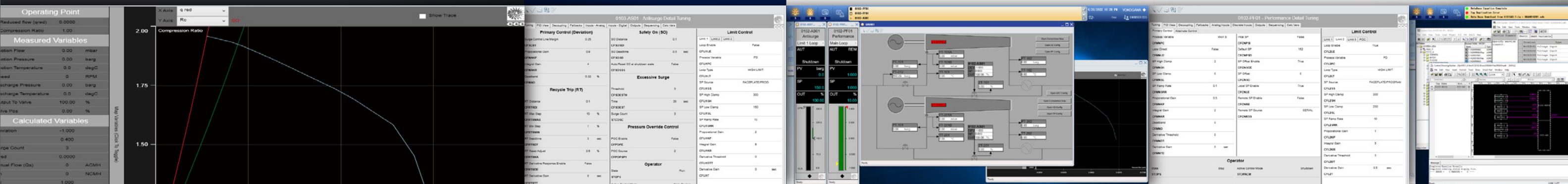
with CENTUM VP



Traditionally, the process manufacturing industries have used separate control systems for process units and rotating equipment. While purpose-built hardware and software are optimized for such equipment as turbomachinery, they require end-users to manage multiple systems. That increases complexity and operating costs. Compressor Controls Corporation and Yokogawa have developed an innovative solution that breaks through the complexity and substantially enhances operating efficiencies. The solution incorporates the Compressor Controls Corporation "CCC Inside™" proven turbomachinery control algorithms in the Yokogawa CENTUM VP integrated production control system.



The CCC Inside for Yokogawa CENTUM VP software enables the CENTUM VP to execute CCC's control logic for controlling compressors, which are the most commonly used types of turbomachinery found in plants. By equipping CENTUM VP with a dedicated compressor control interface (faceplate), both process control and compressor control can be done from the same Human Interface Station (HIS) of CENTUM VP HMI.



Customer Value

### Flattening automation architecture and reducing the number of automation platforms at site

- Easier obsolesces and spare parts management
- Easier training of personnel
- Easier to ask for support

- Higher availability of personnel capable to use the system
- More flexibility in personnel selection
- Easier troubleshooting

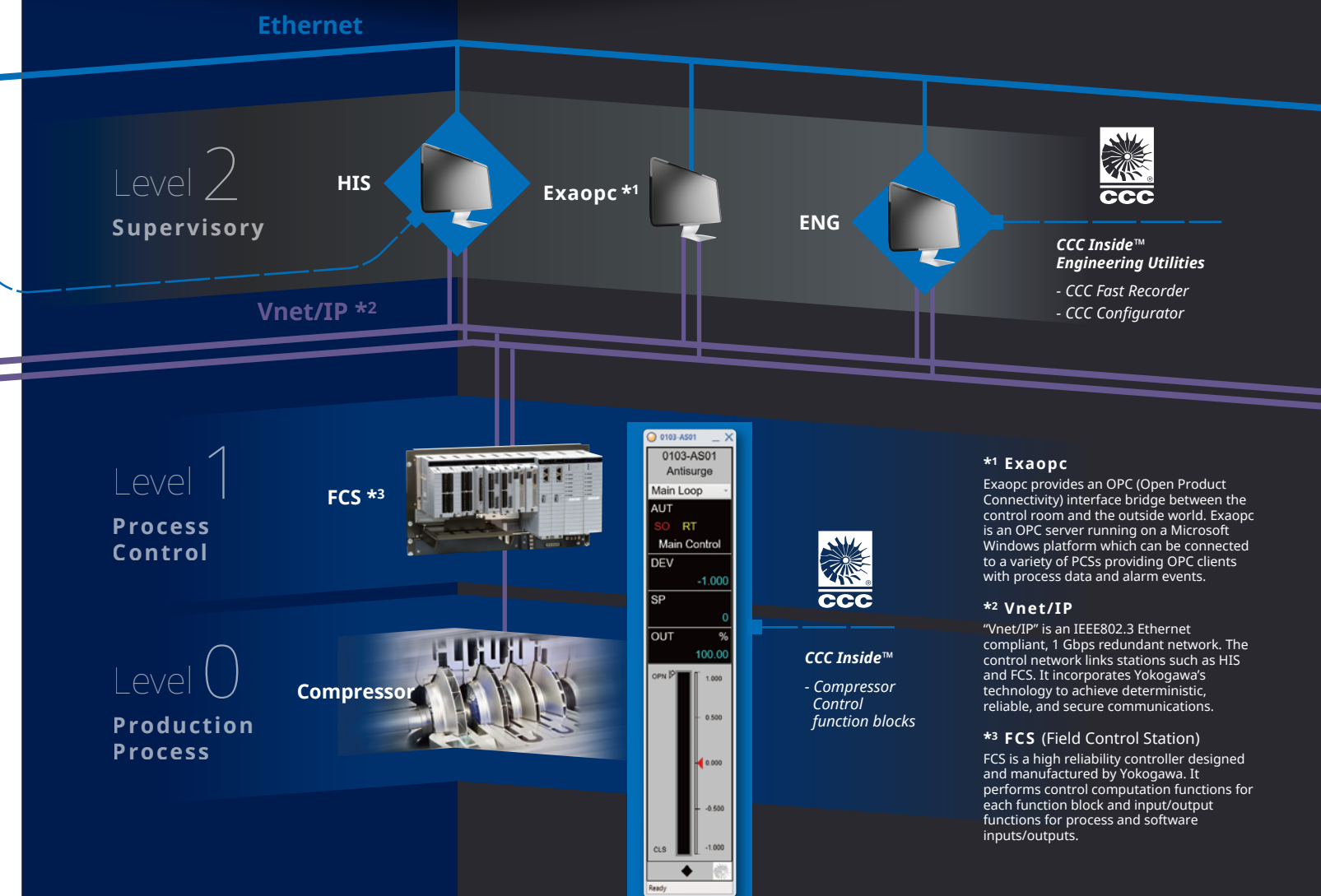
- Reduction of interconnecting systems, protocols and correlated testing activities

- The process shutdown can be executed safely in an abnormal situation of the compressor and/or process itself.
- Easy to recover the process when the problem occurs by using the same timestamp.
- The CCS and PCS inquiries can be raised to the same support window to resolve the problem timely and efficiently.



**CCC Inside™  
HMI Objects**

- Custom Faceplate
- Compressor Map
- Graphic window for compressor control



**OpreX™** Through the comprehensive OpreX portfolio of products, services, and solutions,  
Yokogawa enables operational excellence across the enterprise.

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