

## CCC INSIDE

Need advanced  
turbomachinery  
control inside  
the DCS?  
**Think CCC Inside.**

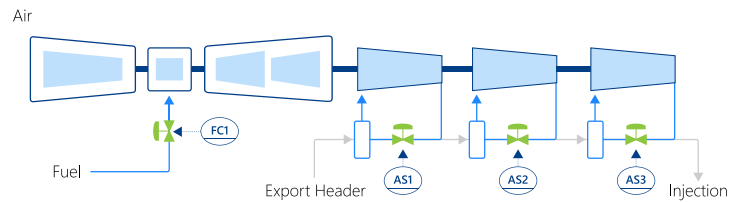
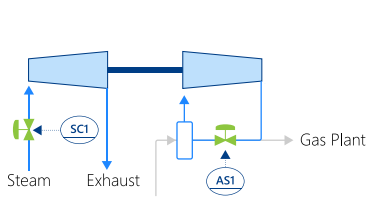
Discover the turbomachinery controls  
solution bringing unmatched expertise  
to the DCS.

# Get the benefits of CCC inside the DCS

For more than 40 years, end users around the globe have trusted CCC's standardized control algorithms to optimize their turbomachinery train performance. With CCC Inside, these proven control applications, HMI libraries and engineering tools are executed within the DCS—providing a powerful solution for process and/or balance of plant machines in facilities that value a flattened architecture. CCC Inside overcomes the limitations of simplistic turbomachinery control and limited lifecycle support capabilities that you might have experienced in your operations.

## CCC Inside for:

- Axial Compressors
- Centrifugal Compressors
- Steam Turbines
- Expanders
- Process Control Valves
- Blowers
- Fans



BALANCE OF PLANT

PROCESS

CRITICAL

Turbomachinery Complexity and Criticality

## A comprehensive portfolio to support all your turbomachinery control requirements

### CCC Inside

CCC Inside is the DCS-based control application for industrial operators ready to optimize their turbomachinery with standardized controls and a flattened architecture.

### CCC Pro Built

CCC Pro Built are the industry-leading purpose-built control platforms including Prodigy, Vanguard or Series 3++ for industrial operators that require the best performance and diagnostics for their turbomachinery.

# A World of Control Capabilities All Inside the DCS

- Best in class configurable, not programmable control applications
- Unmatched knowledge and expertise from more than 10,000 machines commissioned across multiple industries
- Extensive project and field service capabilities around the world

## CCC Inside components within the DCS architecture

**LEVEL 3**  
PROCESS  
CONTROL  
NETWORK

Advanced Process Control, Asset  
Manager, Remote Operations.



### HMI Libraries and Graphic Displays

Designed to provide an effective and proven interface with the control application and ultimately with the turbomachinery.

**LEVEL 2**  
SUPERVISORY  
CONTROL

DCS Operator Stations

DCS Engineering Station

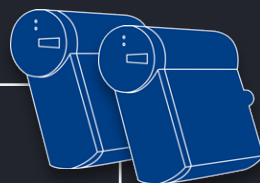


### Engineering Utilities

Designed to facilitate configuration, tuning, surge testing performed through engineering and commissioning, overcoming some of the trending resolution limitations and standardizing field procedures. Common to CCC Pro Built and CCC Inside to enable scalability and standardization of field service procedures.

**LEVEL 1**  
BASIC  
PROCESS  
CONTROL

DCS Controller  
with required performance



### Control Applications

Optimized to execute in a DCS environment, CCC advanced turbomachinery control responses for compressors, steam turbines, expanders and process valves. Consistent across multiple DCS platforms and with CCC Pro Built.

**LEVEL 0**  
FIELD  
DEVICES



# The Trusted Name for Turbomachinery Optimization.



2 Billion  
Operating  
Hours



10,000+  
Machines



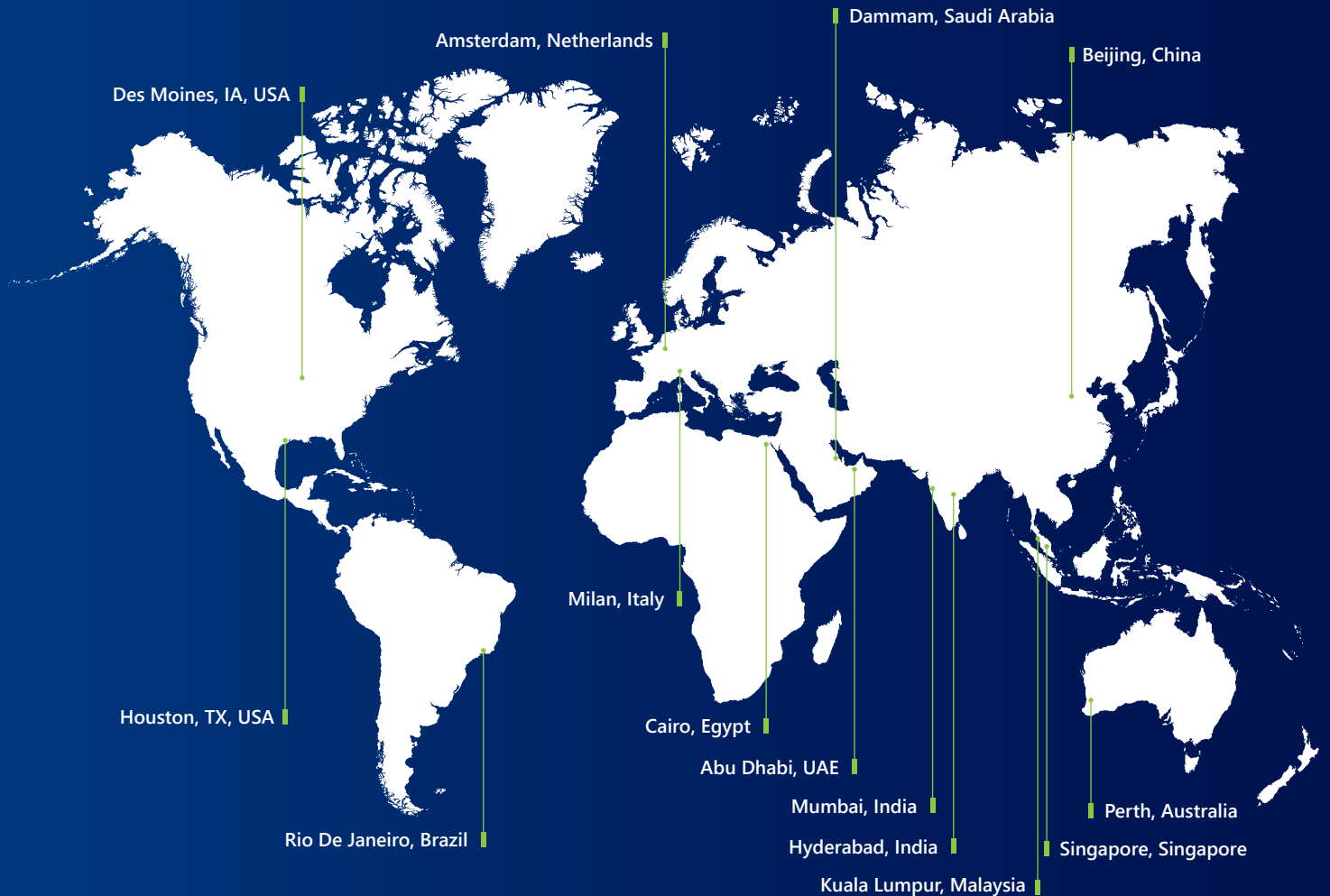
40+  
OEMs



150+  
Turbomachinery  
Experts



14 Worldwide  
Offices



Call your CCC account manager or visit  
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