

CCC INSIDE

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

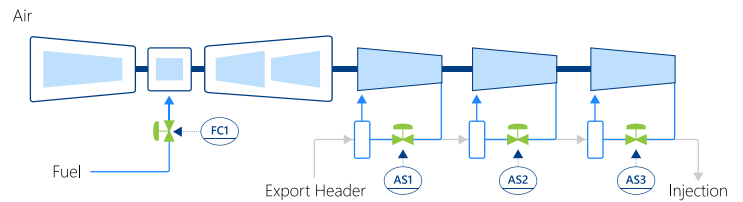
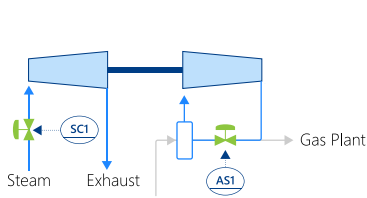
Discover the turbomachinery controls
solution bringing unmatched expertise
to the DCS.

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

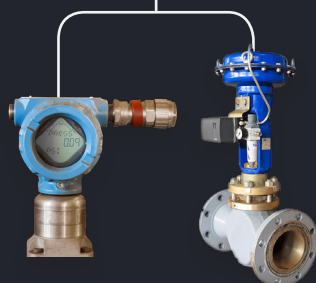
Designed to facilitate configuration, tuning, surge testing performed through engineering and commissioning, overcoming some of the trending resolution limitations and standardizing field procedures. Common to CCC Pro Built and CCC Inside to enable scalability and standardization of field service procedures.

LEVEL 1
BASIC
PROCESS
CONTROL

DCS Controller
with required performance



LEVEL 0
FIELD
DEVICES



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.

The Trusted Name for Turbomachinery Optimization.



1 Billion
Operating
Hours



10,000+
Machines



40+
OEMs



150+
Turbomachinery
Experts



13 Worldwide
Offices



Call your CCC account manager or visit
www.cccglobal.com/contact-ccc for more information.



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