



CCC - EXPERTISE IN TURBOMACHINERY CONTROLS

CCC - (*Compressor Controls Corporation*) is a leading supplier of turbomachinery control solutions. We employ the most knowledgeable and comprehensive team of turbomachinery professionals in the world. Our engineers utilize fast and reliable automation platforms, and field-proven control applications to deliver tangible economic benefits to our customers. Owning the lifecycle of the entire control system - including hardware, software, and control applications - enables us to develop robust control solutions with global support like no other.

MORE THAN 40 YEARS AND OVER 10,000 TURBOMACHINERY TRAINS

CCC (*Compressor Controls Corporation*) was founded in 1974 as the inventor of the world's first digital antisurge control system, and has been serving the process control industry for more than 40 years. Today there are more than 10,000 turbomachinery trains worldwide powered by CCC control solutions – helping customers achieve reliable and efficient plant operation every day.

We employ the most knowledgeable and comprehensive team of turbomachinery professionals in the world and pride ourselves on our exemplary engineering services.

Headquartered in Des Moines, Iowa – USA and with offices located across the globe, we have strategically positioned our specialists to provide an unparalleled level of expertise, consultation, and customer support close to our client base.

OUR BRANDS



SETPOINT™



Today the CCC brand goes beyond “Compressor Controls Corporation”. By combining the class-leading technologies of our 4 brands, CCC Group delivers you an integrated turbomachinery solution that will solve a broader set of challenges.

PLATFORMS:

PRODIGY®

Prodigy is a highly scalable hardware platform that can be deployed as a simplex small I/O system for controlling auxiliary machines to a duplex large I/O system for controlling a gas turbine driven compressor. In addition to supporting the field-proven standard control applications, Prodigy also supports custom logic programming by user based on IEC 61131-3 standards. This eliminates the need to have a separate PLC for sequencing and auxiliary control purposes – simplifying the solution architecture and saving space. The following IEC 61131-3 programming language standards are supported:

- Ladder diagram (*LD*)
- Function block diagram (*FBD*)
- Structured text (*ST*)
- Instruction list (*IL*)
- Sequential function chart (*SFC*)



Single platform for all your turbomachinery control needs

SERIES 5 VANGUARD

Series 5 Vanguard® is a modular, open-architecture turbomachinery control system for advanced process control. Series 5 Vanguard controllers use a fully deterministic multitasking operating system. Advanced control applications are implemented, including anti-surge controls and load-sharing, gas and steam turbines, extraction, etc. Windows-based TrainTools® package provides a comprehensive interface for plant operating, programming, and project engineering.



SERIES 5M

Series 5M (Migration) is a product specifically designed for customers with aging Series 4 controllers. Upgrading to Series 5M allows you to prolong the Series 4 system life cycle while providing cost savings, risk reduction and improved ease of use.

SERIES 3++

Series 3++ controllers are designed to be the perfect choice for replacing existing Series II, Series 3, and Series 3 Plus single-loop controllers. By packing the state-of-the-art electronics and updated operator interface in the same physical form factor as Series 3 Plus, it provides a seamless upgrade path for the existing systems.



TAINTOOLS® AND TRAINVIEW®

TrainTools® is a suite of PC applications used to configure, operate, and monitor CCC turbomachinery control systems. The software comes in multiple package options and can be delivered on various form-factors to adapt to your specific operation needs. TrainView® operator HMI software is a part of TrainTools that enables customers to interact with CCC control systems through its intuitive graphical user interface.



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