CONTROL SYSTEMS

Prodigy®

Prodigy® is the industry standard for turbomachinery control platforms.

Overview

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CCC Pro Built Prodigy controllers provide complete solutions for efficient, safe, control of the most demanding turbomachinery systems. When combined with CCC's deep process knowledge, unmatched worldwide service capabilities, and intuitive interfaces, With true real-time control, and flexible scan times, the Prodigy can handle the most demanding turbomachinery control requirements.

What Is It and How Does It Work?

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)

What Problems Does It Solve?

Prodigy by CCC ensures tight compressor control that keeps the valve closed, maximizing production while saving money with maximum compressor efficiency. The combination of accurate real-time control with CCC's worldwide service and deep process knowledge keeps your process running smoothly 24/7.

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