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Ready is an engineering industry leader, with experience on current projects involving major controls and electrical upgrades at modern nuclear facilities around the world.

Ready has international nuclear industry experience in plant operations, field engineering, commissioning support and training. We have the skills and experience to help our customers upgrade and maintain their facility control systems.

INDUSTRY EXPERTISE

- Extensive knowledge of Emerson WDPF and Ovation DCS software and hardware
- Nuclear plant operating experience, including the unique expertise of a formerly licensed Senior Reactor Operator
- Start-up and commissioning support for systems with over 20,000 I/O points (complete unit control systems)
- Operations and maintenance training (including training program and material development that meets or exceeds INPO requirements).
- Control system and generator protection scheme upgrades.
- Our Professional Engineers and Subject Matter Experts, based in Canada and USA, are experienced with international site work. We know how to quickly get the experts you need to work on-site.
- Extensive use of the Systematic Approach to Training model to develop, implement and modify course curriculum to meet specific job needs.

TYPICAL CLIENTS

Bruce Power
Ginna Nuclear Station
Ontario Power Generation

Vogtle Nuclear Site
Westinghouse Electric

Ready Engineering Corporation

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Ready Technologies, Inc.

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SPECIALIZED SERVICES

- Commissioning and troubleshooting, including team selection, training and management.
- Relay protection settings design and migration Expert field engineering and technical support professionals with industry experience.
- Development of test and commissioning procedures and policies.
- Independent reviews and witness testing.
- Project Engineering and Management with focus on addressing our client's needs

NUCLEAR INDUSTRY PROJECT EXAMPLES

I/C Upgrade Commissioning and Start-up Support, Sweden

To date, the worlds largest I/C replacement at a nuclear plant to date with 20,000+ I/O points. Ready Provided teams responsible for improving, implementing, and tracking commissioning procedures, managed multiple troubleshooting teams, provided technical instrumentation and DCS support to commissioning teams, and provided general commissioning and start-up project management and support. Ready quickly identified opportunities to increase efficiency, decrease bottlenecks, improve procedures and develop project tracking and controls. Ready provided the project team with expertise in the commissioning process and proactively identified project risks, proposed complete solutions, and provided short and long-term resources to implement these solutions. Ready Supported the commissioning, site acceptance testing, start-up, and acceptance testing phases of the project.

Standby Generator Controls Upgrade, Canada

Engineering review, corrective action recommendations, technical specifications (including instruments, protective relays, AVR, auto-synchronizer, rectifier, VFDs, inverter and opLAN interface), testing and support documentation, relay settings migration and review of the complete control system upgrade for the four Standby Generators (SGs) to meet the requirements for Class III electrical distribution at the Bruce B station.

System Operator Training, Sweden

Provided project specific training to the unit operators to allow them to effectively understand the changes to the physical systems, control logic, and operating procedures. Made effective "on the fly" changes to curriculum to keep up latest changes in the as built project.

Feedwater Control System Upgrade, United States

Provided project specific training to the operators, engineers, and instrumentation personnel. The operator training familiarized them with the new GUI and details of the operating changes being implemented. Engineering and instrumentation training covered details of the programming, new DCS hardware, and user interfaces.

Feedwater Controls, United States

Customer was unable to obtain project specific training from OEM on older WDPF equipment. We developed and provided in-depth project specific training for their existing system. Feedback strongly indicated they gained more from this training than any previous training they had received on the equipment.

REPAC DCS Upgrade, Sweden

Customer was installing a DCS where the OEM was using a brand new version of software. We developed training program for the engineering and maintenance staff for how to program and maintain the new software. We worked with the OEM to identify and correct several software problems during the development phase. Continued to make changes to curriculum as the program was being presented to keep up with additional changes made by OEM during the installation process.

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