

Remote Intelligent Gateway

Our SecureRIG™ integrated RIG and revenue metering solution enables power generators to easily pass secure, real-time data and commands between a generation site and independent system operators (ISOs) or regional transmission organizations (RTOs). SecureRIG™ combines our industry-leading RT|RIG software with a ruggedized hardware platform designed for commercial and harsh industrial environments. The turnkey SecureRIG system is fully certified for the California Independent System Operator (CAISO).

- APPLICATIONS:**
- Renewable power installations (wind, solar, hydro, geothermal, biomass)
 - Traditional power installations (gas turbine)
 - QF site conversion
 - Hathaway RIG upgrades
 - Cogeneration sites

POWERFUL DATA ACQUISITION AND CONCENTRATION

As a resource owner, you must provide real-time production data and input status to local power authorities for use in grid management and settlements. Our completely integrated revenue metering and RT|RIG platform passes secure, real-time data and commands from multiple sources, such as remote terminal units, generation controllers, and plant control systems, to local authorities.

As a data concentrator, the solution supports both serial and TCP/IP connections and industry-standard protocols such as Distributed Network Protocol (DNP) and Modbus. Real-time data and commands can pass between the power generator, power authority, and other external systems using the secure DNP connection. The platform includes Secure Sockets Layer (SSL) technology for added security, and advanced functions for automatic generation control (AGC), such as bumpless transfer for smooth transitioning between a generation site and the power authority.

FULL SERVICE, TURNKEY APPROACH

Security features include complete certificate management. Multiple certificates can be easily installed and internal monitoring software provides alerts at 60, 30, 15, and 5 days prior to certificate expiration.

CONSTANT MONITORING

Extensive self-monitoring features enable the SecureRIG system to send alerts via e-mail or pager if a problem occurs. The system also supports remote monitoring by the power generator or by DC Systems.

SecureRIG is available in two configurations: RT|RIG software with the RT|SCP Substation Computing Platform or RT|RIG software with the RT|HSP Hardened Substation Platform. Installation, configuration, testing, site acceptance services, on-site training, and maintenance packages are available from DC Systems. Support can include options such as communication line monitoring, remote administration, and certificate management.



A REAL-TIME, FULLY COMPLIANT RIG SOLUTION

Lower costs, turnkey system

Save money with a feature-packed software package that runs on standard, Windows*-based computing systems. Our system is a complete turnkey solution.

Flexibility

Easily adapt the software to fit your needs, with a wide array of configuration and expansion options and other capabilities such as event historians, real-time data analysis, and local data display and alarming.

Full compliance

Take advantage of a fully certified solution. DC Systems ensures that each RT|RIG system conforms to the appropriate local power authority's RIG requirements for data processing, communication, and security.

Security

With complete certificate management, ensure that data is accessible only to authorized users.



The Complete RT Real-time Smart Grid Platform™

RT|RIG software is a member of the RT Real-time Smart Grid Platform™ applications from DC Systems, a leading developer of smart grid software for utilities and large energy users.

Our products combine the power of distributed intelligence with centralized data management—putting intelligence where you need it, while centralizing configuration, administration, and monitoring at the enterprise level. RT applications interoperate throughout the Smart Grid—from field devices, to substations, to control centers, to the enterprise—giving you greater flexibility, control, and responsiveness.

Let Us Turn Your Data Into Smart Data.

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