

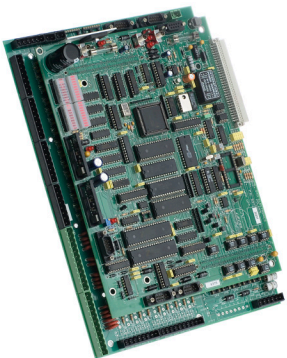
DAQ Electronics

CORPORATE FACT SHEET

Integrated solutions for SCADA and physical security applications

DAQ technology facilitates the secure, efficient transmission of complex data between geographically remote locations using networked electronic modules. In a typical system, various distributed devices collect and process information locally and report critical details, such as alarm conditions and analog values, to a central monitoring site. Core applications include security systems for military and industrial facilities and power management systems for electric utilities.

The heart of DAQ's expertise is encompassed in the StarWatch™ and Callisto™ product lines, which feature application-specific hardware modules and an associated software interface used to maintain rapid flow of information between modules. These products provide a high degree of automation, controlling local and system-wide processes with minimal need for operator intervention. Device and system configurations are custom-designed to suit scenarios ranging from standalone control and monitoring units to large, multi-site operations.



As part of an integrated system, DAQ remote modules provide powerful control and monitoring capabilities for numerous applications.

Circuit boards are designed to support high-speed communications through an array of protocols and are compatible with the latest generation of off-the-shelf sensors and IEDs (Intelligent Electronic Devices).

QUICK FACTS

- All engineering, manufacturing, and R&D functions operate from the company's Piscataway, NJ headquarters
- Major contracts include ICIDS (Integrated Commercial Intrusion Detection System), a broad program to supply security equipment to US military facilities around the world
- End-applications range from simple alarm annunciation to multi-facility security management over large, geographically dispersed areas
- A modular approach to component design results in simplified system expansion and maintenance
- DAQ markets products through strategic OEM agreements and technology partnerships

MARKET PROGRESSION

- DAQ founded in 1975
- Pioneered distributed processing for SCADA (Supervisory Control and Data Acquisition) applications in the electric, oil, gas, water, and communications industries
- Focused on the design of advanced RTUs (Remote Terminal Units) for use by electric utilities
- Adapted SCADA technology to suit applications in the physical security market
- Products extensively incorporated into US DoD (Department of Defense) installations
- Developed state-of-the-art security management system for military and commercial applications
- DAQ continues as a recognized leader in both the SCADA and Security markets

PROTECTING MILITARY INFRASTRUCTURE AND ASSETS

StarWatch™ security products are currently utilized at some of the most secure installations in the world, including US military bases and the Pentagon. Extensive access control systems support thousands of discrete alarm inputs and supervise the movement of personnel through restricted areas using CCTV surveillance and pass-card enabled entry/exit portals. Real-time connections to facility sensors ensure that event details are processed and acted upon instantaneously.

Integrated StarWatch systems feature a suite of remote devices capable of interfacing with advanced security technologies, including infrared cameras, biometric identification devices, long and short-range radar, and chemical, biological, radiological, and nuclear sensors. Initially designed to meet military requirements, DAQ systems are also used in commercial and industrial settings, where the heightened need for intrusion detection has fueled security-related initiatives.



DAQ's unique system architecture enables the seamless integration of numerous security technologies.

Always in direct communication with monitoring stations, system components work together to provide strict control of facility access and offer an immediate response to alarm situations.



KEY CUSTOMERS

Security

US Department of Defense

- Army
- Coast Guard
- Air Force

Radian

SCADA

Southern Company

- Alabama Power
- Georgia Power
- Gulf Power
- Mississippi Power

Progress Energy

POWER MANAGEMENT AND DISTRIBUTION

Callisto™ remote modules are primarily used by utilities to control and monitor the distribution of power in substation and pole top environments. Over a system-wide communications network, alarm and power quality information is generated and reported to a central site, where system operators command a wide array of control options. Such operations as opening and closing remotely located circuit breakers and switching reactive loads to improve efficiency are performed on an event-specific basis or fully automated through system configuration software.

DAQ equipment facilitates the flow of power through each step in the distribution process - from power stations to homes and businesses.



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