SOLUTIONS FOR CENTRALIZED RAILROAD FIELD MONITORING

Progress Rail's OnSite solution brings the monitoring and management ofrailroad field equipment together into one central solution.

OnSite is designed to work with the Event Analyzer, HAWK event recorder, digital cRTU, and remote devices monitoring the status of railroad equipment in the field. Using any one of several communications options, this status information is sent to OnSite for viewing and storage.

OnSite can also forward field data to other railroad computer systems for additional processing and storage.

Using OnSite's powerful web interface, you can monitor and control a vast network of remote field devices. All management functions are accessible from anywhere in the world via the Internet.

To monitor a small number of remote local sites or to consolidate the status of thousands of sites distributed over entire regions, OnSite is a simple, economical solution for centralized management.

MANAGEMENT AND CONTROL

The current status of each field device is available from its own secure web page, visible only to authenticated users. This secure Internet access is also used to configure the operation of the entire system, including the definition of site names, locations, and alarms; the designation of recipients of alarm notifications; and the administration of authorized users, such as passwords, permissions, restrictions and organizational structure. No special software is necessary to access OnSite; a standard web browser such as Microsoft Internet Explorer is the only host application required.

POWERFUL NOTIFICATION AND ALERT FUNCTION

OnSite can provide notification of alarm conditions and events to multiple recipients over a variety of media; both public and private. Event notification can take the form of an email message, a facsimile report, and/or an alphanumeric page. The operation of this function can be readily tailored to a specific application. Alarm triggers, reporting delays, notification recipients, methods, priorities, message content, and system advisory alert participation are all userconfigurable via the OnSite web interface.

In addition, OnSite can exchange information directly with the organization's existing Intranet or enterprise data network using standard networking technologies. Thus, the remote field devices virtually become part of the private computer network, allowing data to be directly accessed by existing dispatching applications or trouble ticket systems.

RELIABLE AND SECURE

OnSite is at work 24 hours a day. Redundant equipment, facilities, and connections ensure continuous access to the remote field devices. Permanent buffers are maintained at every critical node, so no data are ever lost. The network itself triggers alert procedures if any operational or communication abnormalities are sensed.

Information is as safe from tampering as it is from loss. OnSite employs many layers of security, including address validations, self-administered userauthentication, and challenge/response encryption for all internetworking traffic. Data are secure and fully protected from unauthorized access.

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