Pipe Lines

A SCADA-focused Newsletter from Data Flow Systems
Issue 2, 2021

DFS
Data Flow Systems

Our ASUS Report Card

We were very pleased recently, when we received our Annual Vendor-Subcontractor Report Card from American States Utility Services.
ASUS provides water and wastewater management for many large US military bases and Data Flow Systems provides SCADA services to some of those same facilities. As a result, we often subcontract our SCADA services through ASUS.
The report card ratings are based on evaluations in six areas: Product/Service Quality, Delivery Performance, Cost Performance, Cooperation, Supplying Correct Quantity/Pay Applications, and Safety. In each of the six categories, DFS received the best possible evaluation: "Highly Satisfied."
We're proud to serve our military operations and we're proud to work with an eminently regarded management group like ASUS.

HT4 SCADA Software Security

While DFS SCADA is not used in the Oldsmar, Florida water utility that was the target of a recent cyber-attack, the event has reenergized conversations regarding SCADA system security.
A DFS RTU PLC module can be configured to prevent this sort of cyber-
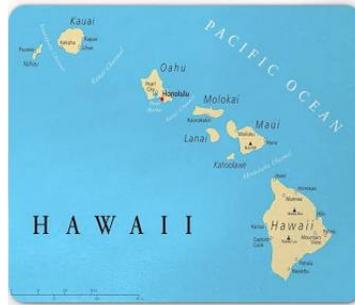
DFS in The Aloha State - Princeville, Hawaii

Princeville is a blissful slice of Paradise on the northern coast of Kauai, in the Hawaiian Islands. Today it is a resort town with hotels, golf courses and horse-riding trails, but its history has also featured cattle ranches, sugar plantations and taro farms.

The mountainous terrain of the area prevented Princeville Utilities Company's previous SCADA system, which relied upon line-of-sight radios for communications, from being able to provide reliable service. When they reached out to us for a solution, we recommended a cellular-based system.

The DFS system consists of six wastewater lift station RTUs, as well as RTUs on three wells and two water storage tanks. All use cellular communications. The lift station units track pump run times, well levels, AC power, etc. The fresh water RTUs are logically driven to automatically call the well pumps and control the tank levels, based on operator inputs. A twelfth unit, a network connected RTU located on the wastewater treatment plant, allows personnel to monitor basic equipment at the plant, like blower, clarifier and RAS pump statuses, as well as influent and effluent flow. When we recently spoke to Utility Director, Brad Suizu, a powerful storm had swept through the area the night before.

"It's working great," Brad said. "We were able to track the entire system during the storm."

Brad's field personnel are able to access the system via smart phones and home-based computers, eliminating the need for many off-hour trips and overtime expenses. "It certainly makes life easier," he added.

Being located nearly 5,000 miles from DFS might have been seen as a problem, but Kauai-based P.E., Kerry Mori of Advanced Energy Solutions got on-board early in the system implementation. We provided Kerry with field training for the DFS SCADA system and he also came to Florida for formal factory training. Brad said that they rely on Kerry or on DFS's free phone support for any technical issues that require assistance.

We're pleased to have happy customers in the 50th State and--full disclosure--several of us in Melbourne are itching for a reason to visit Princeville in

attack by limiting the process and chemical control parameters directly at the remote site, preventing anyone from changing them to harmful levels. Contact DFS Sales personnel to discuss PLC options and contact the DFS Service department if you have questions regarding system security and best practices.

The attached fact sheet summarizes the status of DFS security measures.

the future.

Calendar of Events

Visit DFS at

Alabama Rural Water Association - Technical Training Conference
Mobile Convention Center
Mobile, Alabama
March 14-17, 2021

Check on upcoming trade shows and conventions at www.dataflowsys.com/calendar-of-events/

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