



connected the new Lookout computer system to the existing SCADA system with a high-speed communications link.

Security

We set up the system so the SCADA operators can monitor any facility at any time. The system jumps to the control panel for any facility in which an alarm condition is detected. Audible recorded play-waves also sound so the operators know that either an alarm condition exists or a designated event happens; for example, a door opening at a facility. Each employee is issued a bar-coded ID card that must be read by a card reader at each facility. We then display the employee's picture on the control panel.

Results

With the Lookout system, monitoring wastewater facilities has become easier and

more informative. National Instruments Lookout was the easiest software to configure of the available packages;

Because of the trending capability in Lookout, we can monitor more of our plant and get additional information for a much greater overview of the system.

operators appreciate this ease of use. Specifically, because of the trending capability in Lookout, we can monitor more of our plant and get additional information for a much greater overview of the system. With the older DOS-based system, we could only pull up eight hours of data, but with more than 100 stations over the island it is an added benefit to

pull up a whole day's or just an hour's worth of activity.

Author Biographies

Chris Cunha, SCADA Project Manager, has been employed with the City and County of Honolulu for the past 19 years as the electrical/electronic superintendent for the wastewater treatment and disposal division.

Ron Slauson, SCADA Project graphics illustrator, has been employed with the City and County of Honolulu for the past four years as an electronic technician for the wastewater treatment and disposal division.

For more information, please contact Chris Cunha, SCADA Project Manager, tel (808) 847-8303, fax (808) 848-5638, e-mail MDA0003@co.honolulu.hi.us



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U.S. Corporate Headquarters • Tel: (512) 794-0100 • Fax: (512) 683-9300 • info@natinst.com • www.natinst.com

Australia 03 9879 5166 • Austria 0662 45 79 90 0 • Belgium 02 757 00 20 • Brazil 000811 781 0559 • Canada 905 785 0085 • Denmark 45 76 26 00 • Finland 09 725 725 11
 France 01 48 14 24 24 • Germany 089 741 31 30 • Hong Kong 2645 3186 • Israel 03 6120092 • Italy 02 413091 • Japan 03 5472 2970 • Korea 02 596 7456 • Mexico 001 800 0100 793
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