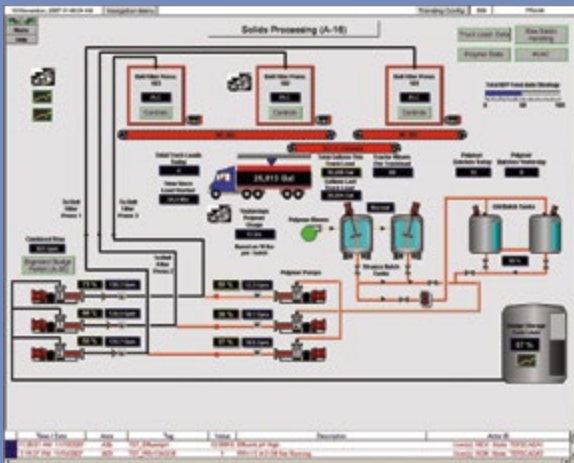




District Map of Cucamonga Valley Water District



## Cucamonga Valley Water District Rancho Cucamonga, CA



LWM Filter Screen

*“With products such as GENESIS32, PocketGENESIS, and WebHMI, ICONICS has helped us accomplish our control system goals.”*

**Ed Diggs**  
Production Supervisor  
Cucamonga Valley Water District

treatment technologies and its leadership in addressing regional and state water issues.

### ICONICS Software Deployed

Among Cucamonga Valley Water District’s ICONICS solutions are GENESIS32™ Enterprise HMI/SCADA suite integrated with AlarmWorX™32 MMX distributed enterprise-wide alarm notification system, ReportWorX™ enterprise reporting, charting and analysis software, WebHMI™ Web-based real-time automation software, Pocket GenBroker communications bridge, OPC Data ToolWorX™, ICONICS AB OPC Server, and SQL/MSDE Logging.

### Project Summary

Cucamonga Valley Water District began an expansion project intended to simultaneously bring Web-based and mobile functionality to their control system. The organization needed such features in an HMI/SCADA solution that would integrate with existing systems (AB Controls, Rockwell, etc.) and operating systems (moving from Microsoft Windows 2000 to XP).

### About Cucamonga Valley Water District

Cucamonga Valley Water District (CVWD), headquartered in Rancho Cucamonga, California, has as its mission “to provide high quality, safe and reliable water and wastewater services, while practicing good stewardship of natural and financial resources”. Its service area includes Rancho Cucamonga, and portions of Upland, Ontario and Fontana, and some areas of San Bernardino County. CVWD serves a population of approximately 170,000 customers within a 47 square mile area.

CVWD, a public corporation, functions as a Special District, which means it is an independent unit of local government serving the needs of a community. With approximately 45,000 water connections and 35,000 sewer connections, CVWD is one of the leading water suppliers in the region thanks to its innovative water

Working with engineering partner, Black & Veatch, CVWD sought a Web-enabled solution that wasn't processor-intensive, a mobile component for employees in remote locations, and comprehensive reporting abilities. ICONICS GENESIS32, coupled with WebHMI and ICONICS' Pocket GENESIS mobile Pocket PC industrial software fulfilled expectations.

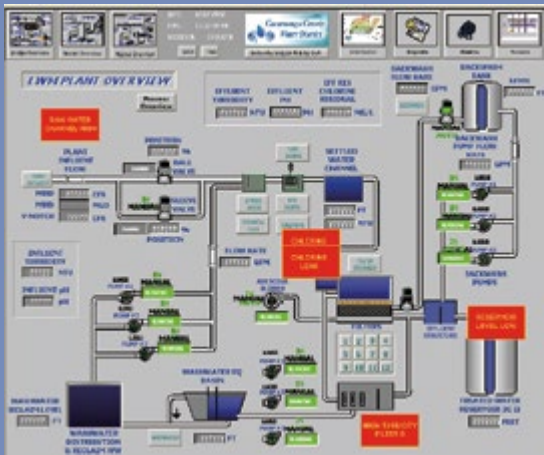
**Benefits of the System**

ICONICS was able to meet Cucamonga Valley Water District's Web, mobile, and reporting needs for their industrial automation. WebHMI provides a browser-based alternative to single PC-based software. Pocket GEN-

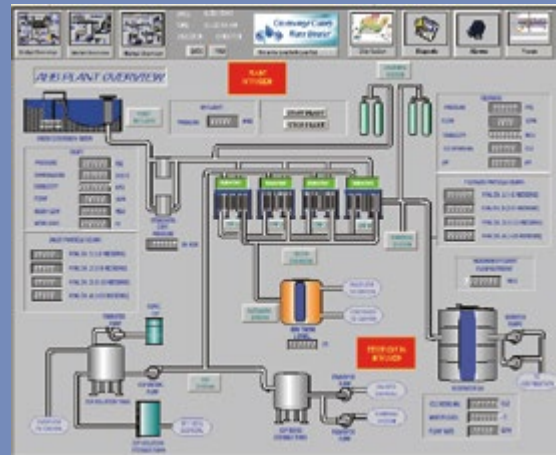
**Case Study Details**

Cucamonga Valley Water District required the following in their selection of their HMI/SCADA solution:

- Mobility – access via “pocket” device
- Web-enabled solution
- Wide alarm notification options
- Comprehensive reporting mechanism



LWM Plant Overview



AHB Plant Overview

ESIS allows CVWD to monitor and control their system away from the plant environment. The plant is able to utilize ReportWorX to fulfill their reporting requirements to the California Department of Health. In fact, ICONICS met CVWD's requirements through multiple phases including monitoring, reporting, and alarming.

**Conclusion**

Cucamonga Valley Water District and its project partner selected ICONICS not only due to its wide array of HMI/SCADA solutions and multiple features (Web, mobile), but also due to the reputation for the software's ease of use.

**Solutions Highlighted**

**Pocket GENESIS**  
Mobile PC Industrial Software

**AlarmWorX**  
Multimedia OPC Alarm Management Software

**ReportWorX**  
Enterprise Reporting, Charting and Analysis Software

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