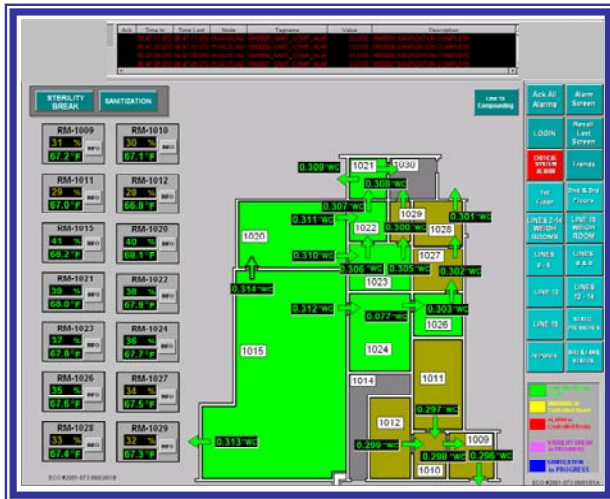
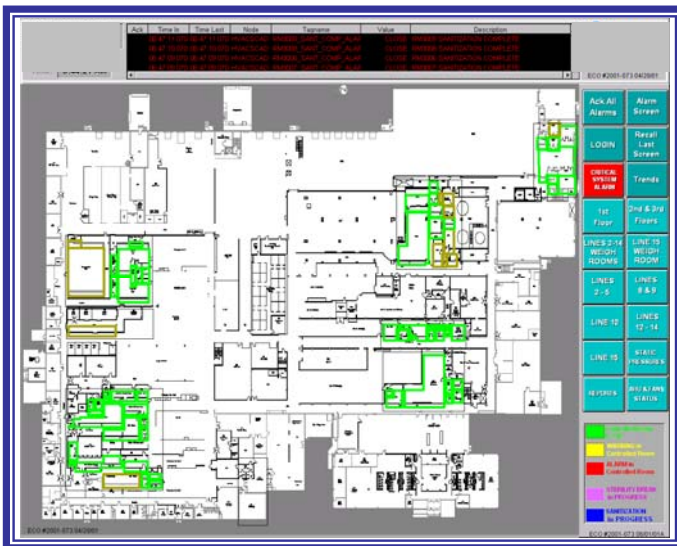


## HVAC MONITORING SYSTEM



**Malisko Engineering, Inc (MEI)** was asked, to provide a validated, SCADA-based HVAC monitoring system which generated reports and indicated alarm conditions as required by the FDA. This system provided all environmental information in one system. The package is an easy to use tool to analyze environmental conditions using both historical and real-time data. This data is a valuable environmental trouble-shooting tool.

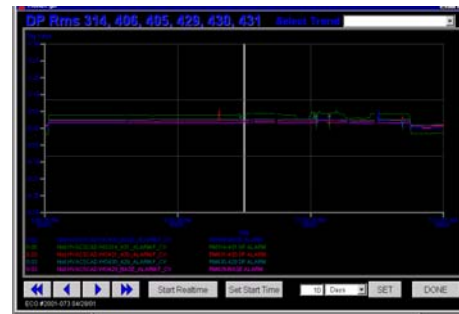


### ENGINEERING TASKS AND SERVICES:

- Selected and Purchased Instrumentation and Electrical Equipment Pertaining to the Project,
- Completed the Electrical Design work for new PLC Hardware located throughout the plant,
- Supervised the offsite construction and testing of the electrical panels,

- Provided dedicated start up support,
- Provided validation support after construction,
- Integrated Intellution, Johnson Controls, Allen Bradley and Oracle technologies, into one harmonious system.

**Malisko Engineering, Inc.** worked with the Client and Vendors throughout the Project to resolve communication issues between the environmental hardware, PLCs and the SCADA System.



### PROJECT SUCCESSES:

Plant personal can graphically see the environmental status of the entire plant at a glance decreasing response time to HVAC problems, which would adversely affect product quality and consumer safety.

### For More Information, please contact:

Warren Perry – Business Development Manager  
 Phone: 303.776.2466  
 Email: [wperry@malisko.com](mailto:wperry@malisko.com)  
 Website: [www.malisko.com](http://www.malisko.com)