

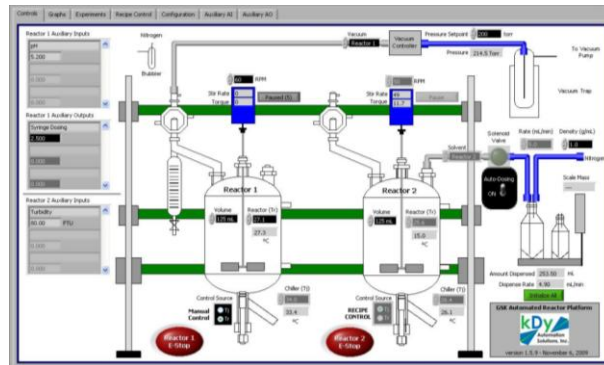
Automation Solutions, Inc.

Custom solutions for process automation. Serving research & development, pilot production, and industrial customers.

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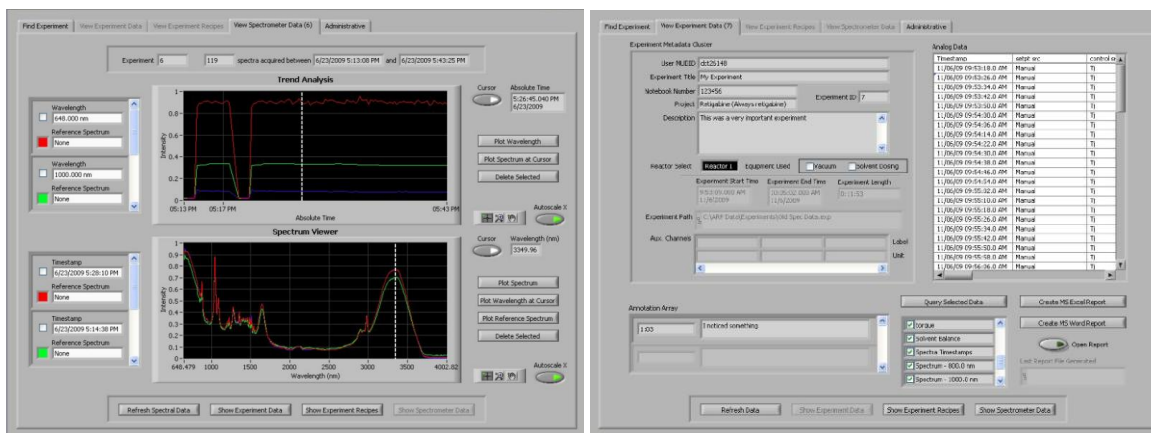
Automated Reactor Platform

- Robust, intuitive user interface
- Extended analog datalogging and control capability of two separate reactor systems from one PC
- All data sent to SQL server for easy querying and analysis
- Robust manual control and recipe-driven automatic test sequence
- Powerful data viewer with built-in experiment search functions



Overview

A global pharmaceutical research company commissioned KDY to develop a control system for their heat crystallization reactors. The solution delivered by KDY allowed the customer to achieve more precise control over dosing, reaction temperature, and evaporation.



The Test Dashboard

The system was designed with both engineers and production operators in mind. KDY developed a simple but highly functional user interface that allows experiment design, addition of analog test equipment, and fast searching and retrieval of experiment data.

Data Viewing and Analysis

Experimental data is presented to the user during the experiment for in-depth analysis. Particularly powerful, the spectrometer analysis functions of the software allow for trending and referencing of spectrometer data. The data from each experiment is stored in a SQL database that can be queried for engineering information as well as raw and processed experimental data.