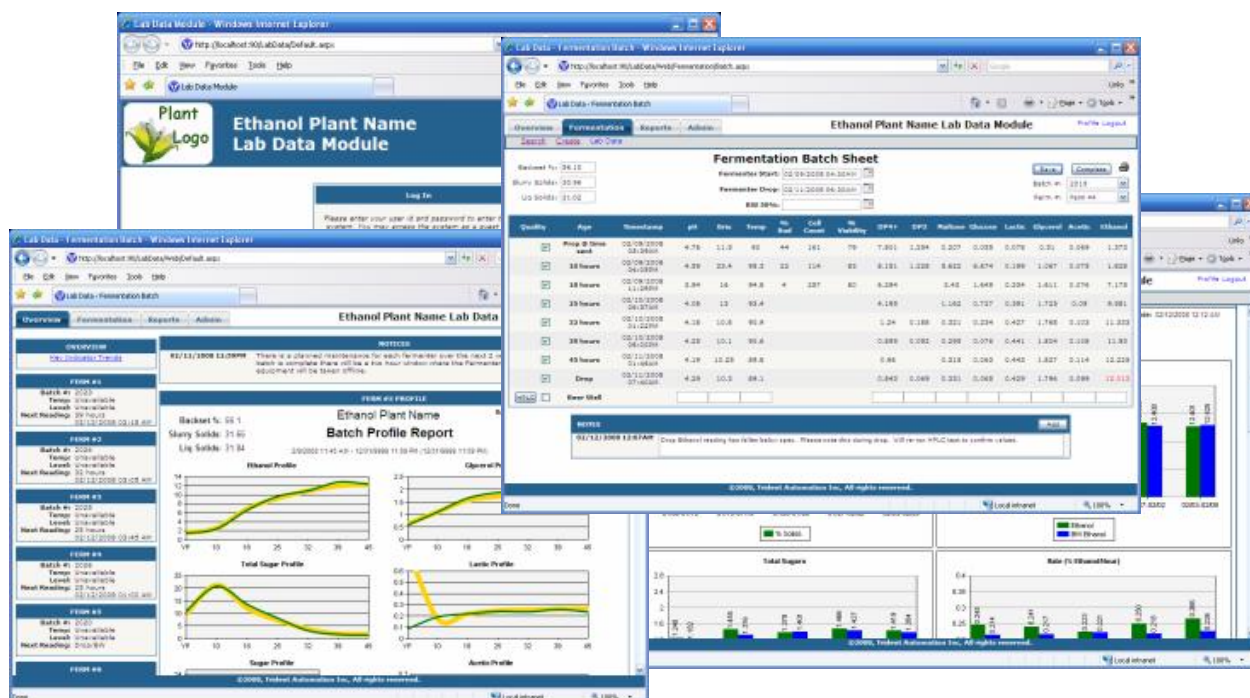




# Ethanol Lab Data Module

Today, Ethanol labs depend heavily on their HPLC analyzers to accurately measure their fermentation process. In many cases the results from the HPLC analyzers are hand written onto some type of batch form. Then later this information is taken and re-entered into the process control system to facilitate APC processes and also entered into multiple Excel spreadsheets for future reporting.

In an effort to improve this process, Trident Automation has implemented a Lab Data Intranet Web Application that seamlessly fits between your control system, APC, business and HPLC lab networks whereby making this information immediately available to everyone. By reading directly from the HPLC analyzers and recording this data into a relational database, not only does it save several manual steps along the way, but it increases accuracy and facilitates better communication among people and systems. In this way we have not re-invented systems, we have simply filled the gap between them.



## Benefits for your Plant

- Increased efficiency allowing the lab to work seamlessly with the rest of the plant and eliminates redundant effort.
- Improved accuracy pulling information directly from the HPLC and providing it directly to downstream systems.
- Provides instant reportable information that can be used to measure performance real time by anyone, not just the lab anymore.

## Key Features

- Fermentation life-cycle with HPLC integration and quality check process.
- Fermentation overview providing real time analysis details at the click of a button anywhere on site.
- Role based security allowing the lab manager to decide who can perform certain actions.
- An ideal or "gold standard" batch profile can be created providing real time validations and comparisons.
- Multiple built in reports providing standardized views and extract functionality.
- Information is recorded in a relational database organized for reporting. This allows the site to create its own reports and seamlessly plug them into the Lab Data Module.
- Shares information between systems you may already own including the DCS, Historian, Information Server, and APC systems.
- Notification functionality can be used to communicate to lab personal as well as the rest of the plant.

Contact Trident Automation to schedule a web presentation demonstrating the actual system today.  
 (920) 759-7477 or send e-mail to [sseif@tridentautomation.com](mailto:sseif@tridentautomation.com)