



## Plant MIS for Amul Banas Dairy

### Plant Information System and MIS

Banas Dairy undertook on a major plant expansion with Project-3 for LMP & Butter plant. They needed a single system for monitoring of both old and new plant. The major challenge was integrating with three different automation systems for process data and presenting integrated view of the operation..

### Solution Overview

- ⇒ Given the large scale operation and diverse automation systems existing at the plant, we designed the system on intranet model leveraging the scalability and flexibility of web technology
- ⇒ OPC was used as a standard protocol for data exchange among various automation systems (ROCKWELL, SIEMENS & SCHNEIDER)
- ⇒ Complete plant was bought into single domain with proper load balancing and robust security policies
- ⇒ Plant processes, right from weighbridge reception to processing and finally product dispatch was mapped in the software to allow monitoring and reporting of complete operation

### Benefits

- ⇒ Anytime anywhere reporting
- ⇒ Complete operational visibility
- ⇒ Rich set of auto-generated MIS reports
- ⇒ Robust OPC based data logging from automation system allow comprehensive monitoring of processes
- ⇒ Increased efficiency of operational staff
- ⇒ Single interface for monitoring of both old and two new plants

**Client** : GEA Process

**Customer:** Amul Banas Dairy

**Industry** : Dairy

### Challenges

- Diverse set of automation systems
- Comprehensive reporting need
- Centralized management
- Automated balance of plant
- Reliable systems architecture

### Solution

- OPC based data logging from PLC/Gateway
- Integration with all PLC/SCADA systems
- Web-based solution for centralized management
- Integrated workflows
- Customizable product quality testing report
- Integration with Weighbridge and LAB equipments
- Online report generation
- Automated backup

### System Components

- Application Server
- Database Server
- OPC Client
- Reporting Plug-ins

**CSI COMPUTECH (I) PVT LTD**

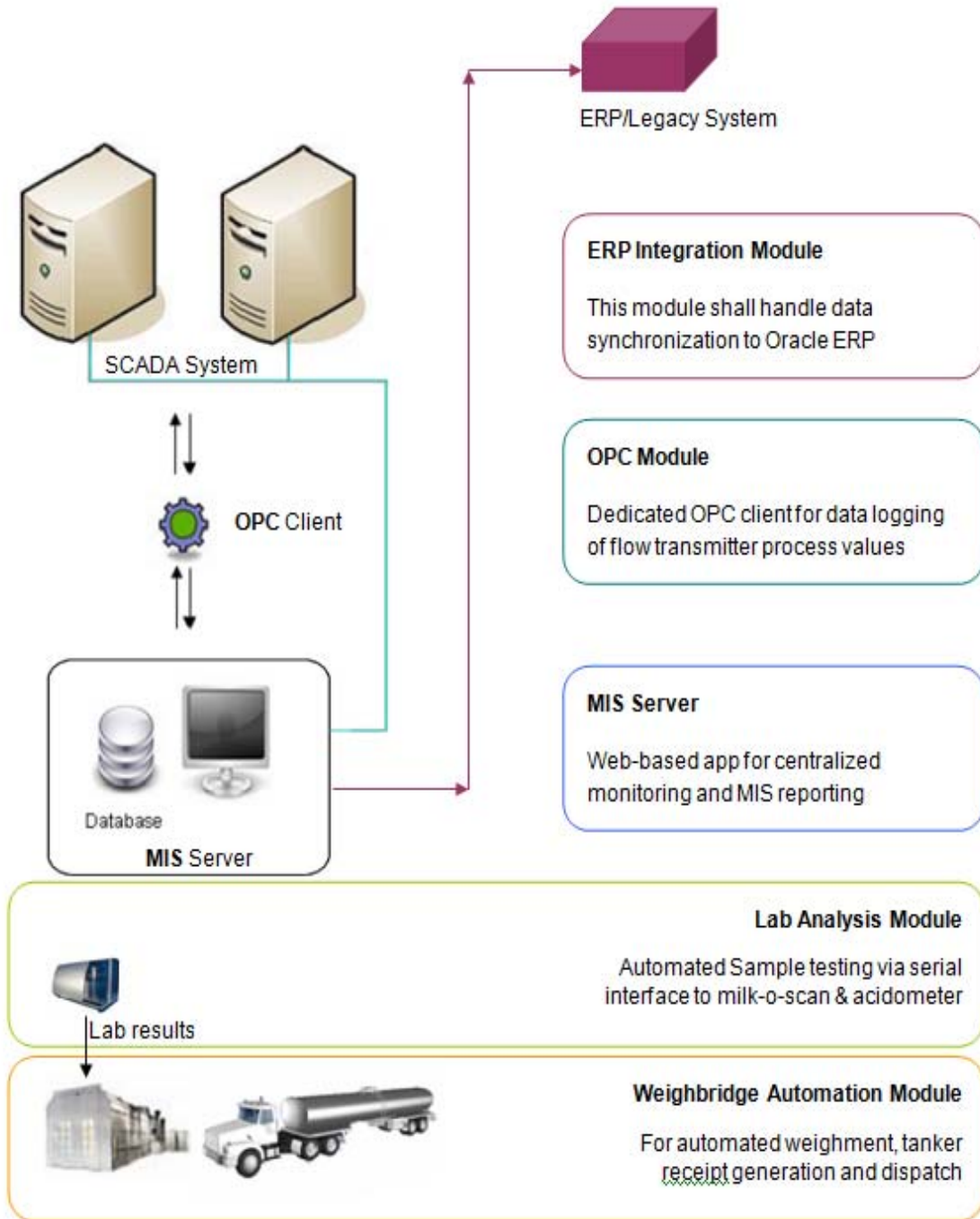
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Solution Overview



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