BI-DIRECTIONAL FLOW OF CRITICAL AUTOMATION DATA

**challenge**

The client needed to integrate information from production lines in multiple plants to a global warehouse management system. It was important that the system:

- Be highly available with multiple methodologies for failover and buffering;
- Support multiple endpoint technologies;
- Be supportable through multi-vendor triage processes.

**solution**

tManager data flow supports directional communication to keep operators and maintenance staffs informed of communication status. It also:

- Makes database and tManager information available to PLC
- Has multiple endpoint connections for data validation and troubleshooting.

**results**

The tManager allows multiple site deployment and connectivity to multiple database systems.

- Template tManager control panels provide fast configuration and replication at multiple sites.
- Connectivity to multiple database management systems, including IBM DB2 and Microsoft SQL server.
- Has Store and Forward modes for critical data gathering.
- Time synchronization is critical for transactional interaction between systems.
- Email maintenance notification decreases downtime.
- Robust logging increases supportability and sustainability with multiple vendors.
Online Development Inc. (OLDI) designs and manufactures factory automation products to help manufacturers simplify data transaction, control and communications tasks. Products include Appliance Transaction Modules (ATM) for both Enterprise and Controller-level data exchange. Enterprise Appliance Transaction Modules (eATMs) simplify and manage the exchange of data between general-purpose computer systems at the plant and enterprise level with factory floor controllers. Controller Appliance Transaction Modules (cATMs) enable connectivity to many brands and types of PLCs/PACs and DCS.