



®

Gas Pipeline Control from CPU®

The CPU® Pipeline System

CPU® offers total enterprise solutions for gas pipeline control. We can provide auditable flow measurement, integration to business systems, real-time control of gas pipeline systems, and historical data access. For systems which span several states to systems which serve local utility pipelines, CPU® delivers automation system for pipeline applications.



We respond to all the needs of gas pipeline operations. CPU® gas applications undertake the tracking and control necessary for daily operations: AGA Gas Flow Calculations, Gas Quality Management, Gas Inventory Management, Gas Day Accounting, Weather Data Management, and Gas Load Forecasting.

Moreover, our base SCADA functionality furnishes the resources for data collection and storage. This includes time keeping, data acquisition, alarm and event management, supervisory control, calculation engine, historian, logging and reporting, system security, backup and failover, and configuration tools.

For more advanced operation requirements, CPU[®] provides pipeline simulation such as leak detection and pressure profiles. And, we can put together the whole package with project management services such as testing, documentation, and support for your pipeline system.

Legacy Systems

Integrating legacy systems is a CPU[®] specialty. We arrange the means for existing control systems to be phased into a new system. CPU[®] can bring data and control from FORTRAN or COBOL-based systems into the future with our special pipeline SCADA system.

Enterprise-wide Connectivity

The CPU[®] Pipeline System also provides enterprise data flow and resource connectivity. We understand today's needs for enterprise-wide access of data. As one of the leaders in system integration for the enterprise, we have the tools, technologies, and expertise to integrate your pipeline data into SAP R/3 or other corporate information system.

We understand the need to share key production data both with internal and external clients, and more importantly control what information is delivered. Moreover, CPU[®]'s intimate understanding of pipeline business practices makes the best choice for providing accounting information for measuring and billing flow throughout the pipeline system.

Pipeline System Services

Communication Summary

- By communication line
- By environment
- By field device

Real-Time Database Browser

- Tree navigation
- Navigate with filter criteria

Point Help

- HTML documents
- Operator Notes

Tabular History

- Event history, hourly history, daily history
- Meter runs and stations

Plot Servers

- Graphical display of history (as represented by data stored in historical database)
- Source independent plotting packages

Real-Time Data Collection

- Data collection device for runtime environments
- Millisecond scanning rates
- Display tools

Data Archive

- Extremely large storage device for time series data
- Easy retrieve and compression

Training

- Field technicians
- Gas control operators
- System planners

Hardware

- Main control center and alternate site control center
- LAN and WAN networking
- PCs running Windows
- Workstations running UNIX

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