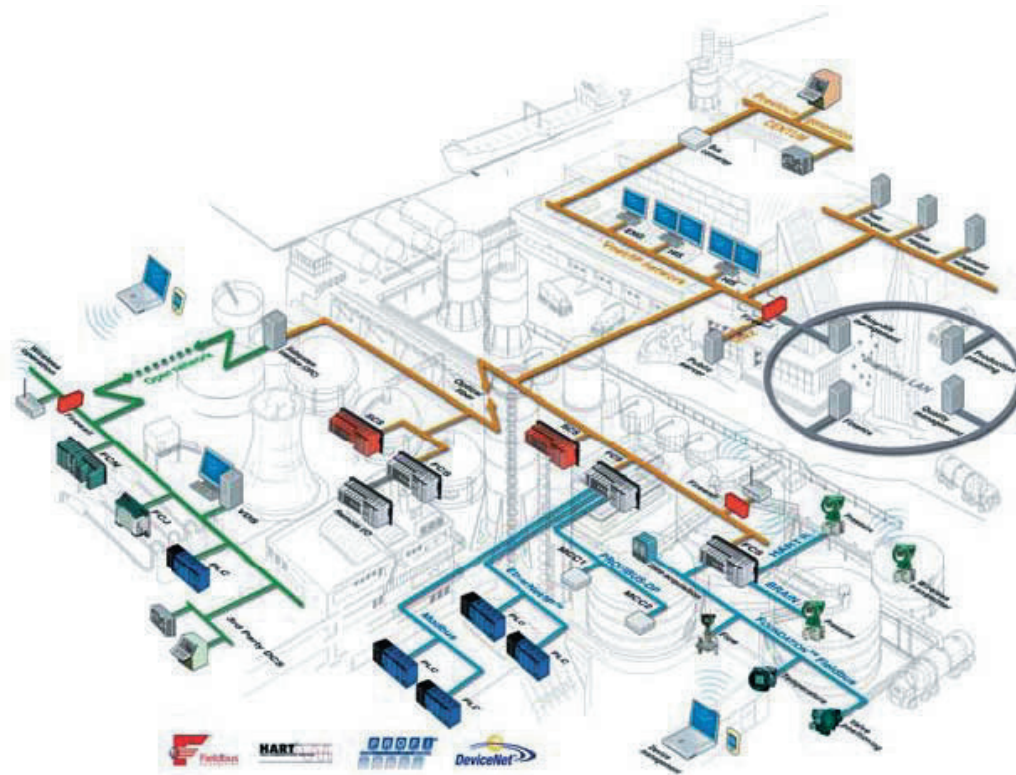


Integrated Production Control System

Features

- ◆ **CENTUM VP makes critical plant information visible in a meaningful and actionable manner.**
CENTUM VP captures plant-wide data without delay and delivers the right information to the right people at the right time. Reducing blind spots while preventing information overload, CENTUM VP keeps people's attention firmly focused on operational targets and business goals.
- ◆ **CENTUM VP delivers the knowledge necessary to anticipate changes and to make fast, informed decisions.**
CENTUM VP enables quick synthesis of analytic insights from the historical, real-time, and future predictive perspectives. Allowing people to make fast intelligent decisions every day, CENTUM VP helps your business avoid costly surprises
- ◆ **CENTUM VP helps to implement decisions throughout the value chain without delay.**
CENTUM VP speeds up task coordination and navigation, enhancing the flexibility of production and adaptability of business. Constantly systemizing and automating operational best practices, CENTUM VP prevents delays and preempts bottlenecks.

Basic Concept or Summary



Integrated Production Control System
System Architecture

Integrated production control system has a simple & common architecture consisting of human machine interfaces, field control stations, and a control LAN. These three basic components support facilities from the tiny to the very large and complex with up to 1,000,000 tags.

The various control function of integrated production control system are adapted for the process control in a wide variety of industries, such as the petroleum refineries, chemical, steel, pulp & paper, electric-power, and water & sewage treatment. Integrated production control system supports highly efficient operation by the linkage with the various control software tools, including the Manufacturing Execution System (MES) and/or the Advanced Process Control (APC). The communication functions with the remote control/monitoring function, the safety instrumented system, and the PLC subsystem realizes the total integrated operation for the factory and plant. The truly high availability of the field control station of integrated production control system achieves stable operation for a long time.

Effects or Remarks

In 1975, right after the first oil crisis, Yokogawa introduced the world first microprocessor-based distributed control system,(DCS) that used only digital signals to control operations. CENTUM system has the very high availability of seven nines, or 99.99999%, realizing stable operation of a plant over the long term. It means that accidents and wasting products caused by plant shutdown can be prevented. And it contributes to improvement in energy efficiency ratio through optimum operation of the large-sized plant. CENTUM VP succeeds to its DNA positively.

Installation in Practice or Schedule

Domestic Numerous installation records

Overseas Numerous installation records

We have sold over 20 thousand projects in 94 countries around the world since its sales release in 1975.

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