

# Pipeline Management Solution

Enterprise Pipeline Management Solution (EPMS) is a pipeline management solution that can be seamlessly plugged into the FAST/TOOLS real-time system platform, a supervisory control and data acquisition (SCADA) software package for large-scale applications distributed over wide areas.

## MAJOR FEATURES

An EPMS package consists of two suites: the gas pipeline enterprise management suite (GEMS) for gas pipelines and the liquid pipeline enterprise management suite (LEMS) for oil pipelines. Major features of the EPMS package are described below.

### ■ Pipeline management system

The EPMS implements a high-performance, reliable system quickly and at low cost, using a template. Leveraging its scalability, flexibility, and reusability, EPMS enables a pipeline system to be expanded securely and stably over a long lifecycle.

### ■ Cost reduction

EPMS helps control schedules and delivery records to ensure transportation to consumption areas, manage the efficient operation of facilities such as tanks, compressors, and pumps, and thus reduce operation costs. The unified user interface enhances the centralized accumulation of knowledge.

### ■ Compliance with standards

The EPMS is equipped with functions that facilitate compliance with standards for pipeline management.

### ■ Advanced technologies in the future

The EPMS can flexibly respond to frequently updated standards and the latest information technologies such as virtualization, mobility, and the latest platforms. The EPMS also continuously meets the demands for data and processing with diversity, larger capacity, and higher speed. Thus the EPMS prolongs the use of products and helps strengthen lifecycle management.

## MAJOR FUNCTIONS

### ■ GEMS

- Metering
- Gas data management, gas schedule management, gas storage management
- Management of maximum allowable operating pressure
- Line pack and line balance management
- Compressor management



### ■ LEMS

- Metering
- Batch management, ticket management, tank management
- Management of maximum allowable operating pressure
- Pump management
- Manifold management

## MAJOR SPECIFICATIONS

### ● Platforms

- Microsoft Windows (64 bit): 10 Pro, 10 Enterprise, 10 Enterprise 2016 LTSC, 10 IoT Enterprise 2016 LTSC, 7 Professional SP1, Server 2012 R2, Server 2016

Contact us for using the following platforms.

- Linux: Red Hat Enterprise Linux x86 6.4
- IBM: AIX 6.1L, 64 bit
- HP: HP-UX11.31, 64 bit

### ● Applicable standards

- ISA: 18.2, 101, 106
- AGA: 3, 5, 7, 8, 2172
- API MPMS: 11.1, 12.1.1, 1164, 14.3.1, 1165, 1167

Contact us:

SCADA Business Development Dept., System Business Center,  
IA Systems & Service Business Headquarters

TEL: +81-422-52-5756

FAX: +81-422-52-0571

For worldwide locations, please see the back cover.

\* FAST/TOOLS is a registered trademark of Yokogawa Electric Corporation.

\* All other product names and software names that appear on this page are either trademarks or registered trademarks of their respective holders.