



Foxboro™ DCS

FoxBridge Software

PSS 41S-7FXBRDG

Product Specification

September 2022

Control HMI

File View Tools Help Window TopPriority Process SysManager System

FoxBridge Event: 09/28/2017 17:00:00: InitRunDemo completed

6AW70B - None

DMC Controller: ALLDEMO SUB-Controller: SIDE

SUMMARY

SUB STATUS: ON STATUS: RUNNING 7
INDICATOR: Non-Critical MODE: CLOSED LOOP 22-Feb-2017 15:29:31

CONTROLLED VARIABLES							
TAG	SRV	STATUS	VALUE	LO LIM	TARGET	HI LIM	RAMP
COLDP	ON	GOOD	3.35	0.00	3.32	10.00	
CONDDP	ON	GOOD	7.06	7.00	7.00	15.00	
OHTEMP	ON	GOOD	121.31	110.00	120.00	120.00	
SSCOMP	ON	USE PR	346.52	10.00	346.00	346.00	
OHPVALV	ON	GOOD	64.62	5.00	64.65	80.00	
DRAWT	ON	GOOD	121.31	0.00	120.90	150.00	

MANIPULATED VARIABLES										
TAG	SRV	STATUS	VALUE	SP/OP	LO LIM	TARGET	HI LIM	CUR MV		
REBBTUS	C	ON	GOOD	CLA	7.96	8	0.00	0.00	1500.00	0.00

FEEDFORWARD VARIABLES			
TAG	SRV	STATUS	VALUE
FEED	ON	GOOD	38.00
FEEDT	ON	GOOD	350.00

TUNE ECONOMICS ET Show DESC SUB

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Overview

FoxBridge provides a close coupling between the Aspen DMCplus® and Aspen DMC3™ controller software and the EcoStruxure™ Foxboro™ DCS Control Core Services and I/A Series® software.

FoxBridge contains functions and features that assist in adding an Aspen controller to a control system.

Features

- The FoxBridge Configure Utility that uses an Aspen controller configuration file to build the corresponding FoxBridge components including the required Application Objects and FoxView displays.
- The Application Object Services (AOS) software creates Application Objects and maps them to control blocks.
- Two demo controller applications, based on the standard 7x7 distillation column example, consisting of control blocks, graphics, and Aspen controller.
- A Foxboro Tag Wizard for use with the Aspen Build utility converts model files to controller configuration files.
- CIMIO for FoxAOS uses the Application Object interface for all numeric data transfers between the AspenTech controller and Application Objects.
- An optional display interface that calls the local controller data collection and extraction programs for use during step testing.
- Microsoft SQL Server software for AOS data retention.
- The cpShell application for the execution of programs and scripts from sequence blocks.

With the application of these tools, an operating Aspen DMCplus or Aspen DMC3 controller can be linked to FoxView™ or EcoStruxure™ Foxboro™ DCS Control HMI displays.

Requirements


- v9.0 and later: EcoStruxure™ Foxboro™ DCS Control Core Services Local Edition or Enterprise Edition software with default domain group policies.
- v8.8: I/A Series Standard or Security Enhanced software with default domain group policies.
- FoxView or Control HMI for Operator and Engineering Displays.
- Application Object Services (AOS) software (ships with FoxBridge).
- Microsoft® SQL Server® (ships with FoxBridge).
- cpShell software (ships with FoxBridge).
- AIM*OPC DA or other OPC DA Server (sold separately).
- aspenONE Advanced Process Control products, which includes Aspen DMCplus, Aspen DMC3, Aspen APC Online and Aspen Cim-IO software for OPC DA (sold separately).

NOTE: When using Security Enhanced or Enterprise Edition software, changing the default domain group policies or improperly using or configuring a firewall, including the authorized McAfee® ePolicy Orchestrator (ePO) firewall, can adversely affect the operation of the Foxboro DCS and FoxBridge applications. Only qualified personnel should modify Active Directory Group Policies and configure firewalls.

Ordering Information

The FoxBridge software is licensed per station.

Product	Part Number
FoxBridge Software	Q0303BJ
FoxBridge Software Upgrade	Q0303BK

 **WARNING:** This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov/.

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