Product Description
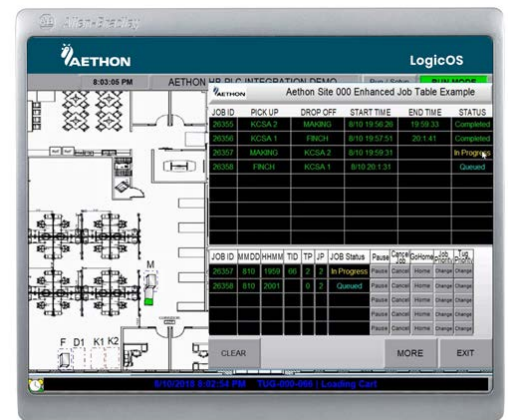
LogicOS™is Aethon's solution for third parties who want direct control of TUG autonomous mobile robots using standard programmable logic controllers, or PLCs.

LogicOS™ facilitates the command and control communication between automation equipment, tools and sensors monitored by PLCs and TUG autonomous mobile robots.
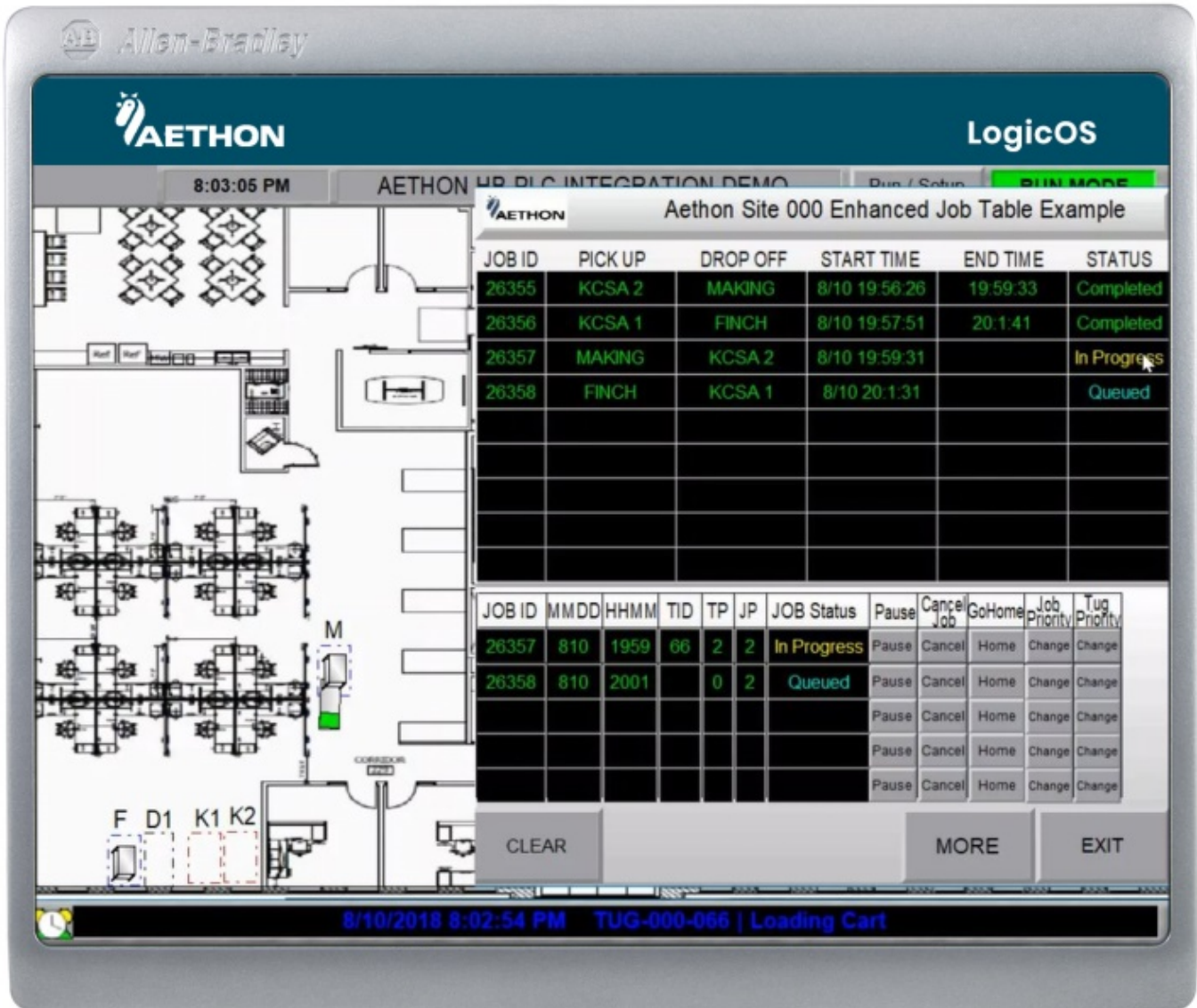
Benefits:
- Open integration to TUG operations
- Real-time interaction to synchronize material flow with equipment
- Allows tools and equipment to be coordinated with the TUG
- Granular control of robot actions during an active run
- Ability to integrate with HMI to provide active monitoring and control of TUG

Specifications

Specification	LogicOS
PLC Support	Modbus TCP/IP. Requires 300Kb of free data and logic memory
	Systems such as Rockwell ControlLogix™ and Siemens S7 line
Total TUGs Controlled	Up to 30 TUG robots
Pre-Defined Instructions & Sample Code	Automatic job destination generation
	Real-time status and alarm monitoring
	Job management and display – up to 20 simultaneous jobs
	Tug management and display – up to 30 TUGs running simultaneously
	Real-time coordinates and rotation tracking
	Conversion interface between TUG coordinates and display
System Interface Support	HMI / SCADA – Sample HMI Application Provided
Signaling Support	Stack Lamps, Sirens
Job State Management	Prioritization, Cancellation, Multi-Destination, Wait, Re-Route

HMI Sample Application

LogicOS

8:03:05 PM AETHON HR PLC INTEGRATION DEMO Run / Setup **RUN MODE**

Aethon Site 000 Enhanced Job Table Example

JOB ID	PICK UP	DROP OFF	START TIME	END TIME	STATUS
26355	KCSA 2	MAKING	8/10 19:56:26	19:59:33	Completed
26356	KCSA 1	FINCH	8/10 19:57:51	20:1:41	Completed
26357	MAKING	KCSA 2	8/10 19:59:31		In Progress
26358	FINCH	KCSA 1	8/10 20:1:31		Queued

JOB ID	MMDD	HHMM	TID	TP	JP	JOB Status	Pause	Cancel Job	GoHome	Job Priority	Tug Priority
26357	810	1959	66	2	2	In Progress	Pause	Cancel	Home	Change	Change
26358	810	2001	0	2		Queued	Pause	Cancel	Home	Change	Change
							Pause	Cancel	Home	Change	Change
							Pause	Cancel	Home	Change	Change
							Pause	Cancel	Home	Change	Change

CLEAR   MORE   EXIT

8/10/2018 8:02:54 PM   TUG-000-066 | Loading Cart