BHI Library Tool (BLT)

Overview

The Beyond HMI Library Tool (BLT) is a WINDOWS executable used to interact with the BHI libraries developed for Wago e!COCKPIT.

BLT provides powerful features for users of the BHI flow computer libraries:

- Transfer of EFM log files from the PLC to the computer
- Printing of Calibration and Verification Reports
- Installation of license files on the Wago PLC
- Transfer of tank strapping tables onto the Wago PLC
- Copying and summarizing tank loadout records
- Install user authentication files on the PLC
- Copy ad hoc, daily, and monthly batch records from the PLC and print custom batch reports
- Install batch report layout files on the PLC
- Copy maintenance files between PLC and computer

Communications between the PLC and the WINDOWS computer is accomplished with TCP/IP.

BeyondHMI

BLT Features

Communications with PLC		TCP/IP
	Device Addressing	Host Name or IP address
	IP Port	Configurable
	File Transfer Mechanism	SFTP
	Account used for Login	User-specified at connection time
Software Licensing	None	BLT is free to use and distribute
Installation	No Installer	Copy .exe and three DLLs to user's computer
Program Features	Calibration/Verification Reports	Prints BLM-style calibration and verification reports from information saved on the PLC by the BHI flow computer libraries
	Selectable Printer	Printer output can be routed to the user's selected printer
	Transfer EFM data files	Copies EFM custody-transfer files from PLC to user-specified directory on WINDOWS network
	Install BHI library license files	Transfer library license file from Windows Computer to PLC
	Transfer tank strapping tables to PLC	Transfers .csv files of tank strapping information from the PC to the PLC
	Read tank loadouts	Transfer and summarize tank loadout records stored on the PLC
	Install user authentication files	Create lists of users, passwords, and access levels. Use BLT to encrypt and install these files on the PLC
	Copy and print ad hoc batch report files	Copy ad hoc batch report files from the PLC and format them into custom formats while printing
	Copy and print calendar-based batch report files	Copy daily and monthly batch report files from the PLC and format them into custom formats while printing

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	Install batch report layout files on the PLC	Transfer batch report layout file from Windows Computer to PLC

BLT System Requirements

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Hardware	CPU	2.8 GHz or higher
	Memory	4 GB of Ram or higher
	Hard Disk	3.5 MB for program and DLLs
		1 GB available working space
Operating System	Windows Version	Version 7, Version 8, or Version 10
	.NET	Version 4 or higher