Virtual PLC for Raspberry Pi GPIO Control

For Immediate Release:
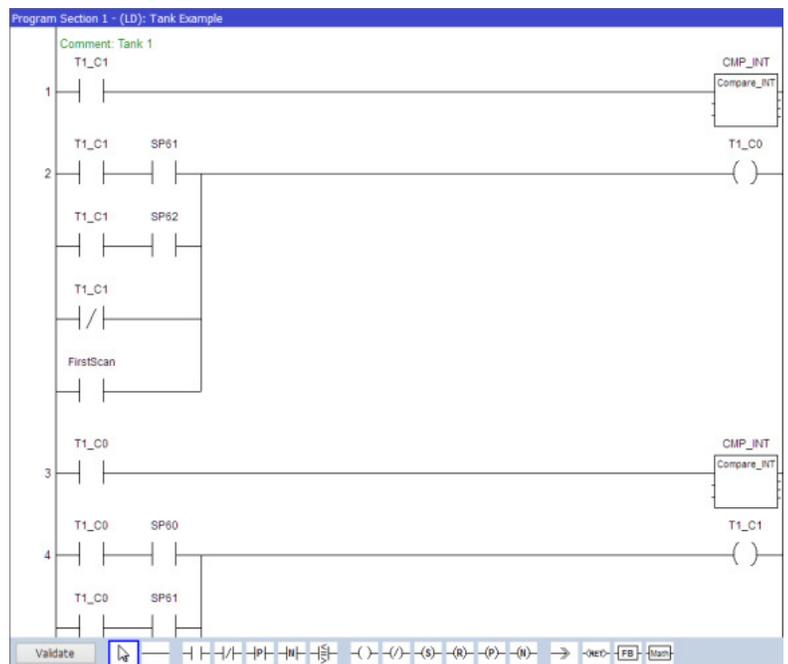
North Billerica, MA - October 27, 2017:

InstantPLC incorporates a virtual-PLC technology that allows control functionality to be programmed on Windows PC, CE and Linux (including Raspberry Pi and other platforms). This technology includes a stand-alone Development System for Windows PC and the virtual PLC-Runtime for Windows PC, CE and Linux (including Raspberry Pi and other platforms). Create PLC control programs using any mix of three IEC61131-3 programming languages: ST: Structured Text, IL: Instruction List, and LD: Ladder Diagram. When compiled, the same PLC control Program can run on any of the supported platforms.

The InstantPLC can access its associated I/O Modules over the I/O Interface (including Raspberry Pi GPIO) and can simultaneously be monitored and controlled from a supervisory HMI Runtime screen (with HMI scan times in milliseconds).

The PLC program (Logic and Variables) is created in the Designer and executed by the PLC Runtime. While the virtual-PLC on the target platform (Windows PC or CE or Linux) performs the control logic programmed by the user, it provides direct I/O control access to the HMI Screens.

InstantPLC has a built-in front end status display showing run status, I/O status and error status. In addition, using Modbus TCP protocol as an interface, ANY HMI can access all PLC variables of interest and thus monitor and control the values in Registers, Coils, Digital I/O and Analog I/O.

InstantPLC also supports plug-in I/O modules on Raspberry Pi and CE touch panels available from some vendors. Using these panels, Machine Builders can build a low-cost self contained Machine Controller without the need for expensive PLC hardware. External (non-plug-in) I/O modules available from many vendors can be accessed over Ethernet or Serial connection using appropriate communication protocols.

For more information on InstantPLC visit www.instantplc.com

About Software Horizons Inc.
Software Horizons Inc., founded in Massachusetts in 1983, focuses on developing Multi-Platform HMI / SCADA / Control products which run on a wide variety of platforms.

For more information contact:
Ramal Murali
Software Horizons Inc.
100 Treble Cove Road, North Billerica, MA 01862-2231, USA
Phone: (978) 670-8700 or (800) 664-2000, Web Site: www.InstantHMI.com Email: ramal@shorizons.com
InstantHMI is a registered trademark and InstantPLC is a trademark of Software Horizons Inc. Raspberry Pi is a trademark of the Raspberry Pi Foundation. Linux is the registered trademark of Linus Torvalds. Ubuntu is a registered trademark of Canonical Ltd. Fedora is a trademark of Red Hat, Inc.