

## PROFIBUS Diagnostics

# Wiley Uses Softing's PROFIBUS Tester to Significantly Reduce Commissioning Time

**NEWBURYPORT, MA March, 2013** - Within the last few years, Softing's PROFIBUS Tester 4 has solidified its position as the de-facto industry-standard for analyzing PROFIBUS networks. One recent example is Wiley Engineering, Inc. (Wiley) a highly successful systems integrator in the Atlanta area that has specialized in Automation Engineering, Electrical Engineering, Instrumentation Engineering, and Project Management.

One area of Wiley's expertise is in commissioning control systems based on modern communication technologies like PROFIBUS. Wiley is always looking for new approaches to improve its customer service by ensuring to stay on schedule and within the allotted budget.

Wiley identified Softing's PROFIBUS Tester 4 as a tool to significantly reduce the commissioning time of a control system based on PROFIBUS.

Here is what Wiley has to say about commissioning a control system using Softing's PROFIBUS Tester:

„What is the optimal method to connect new PROFIBUS devices to a DCS?

One option is to configure each PROFIBUS node separately, connect it to the DCS, and confirm data transfer. Typically, it could take two people several hours to confirm each device. One person would work at the DCS and the other person would work at the PROFIBUS device. This plug-and-test commissioning process can be somewhat optimized by breaking the field devices into groups, but this method inevitably leads to either the person at the DCS „waiting“ for the person at the PROFIBUS devices or vice versa.

We were faced with a stringent schedule with no allowance for typical „waiting“. By employing Softing's PROFIBUS Tester 4 we were able to eliminate this „wait time“ by confirming the proper network configuration and communication prior to engaging the person at the DCS. Once all field devices were confirmed using the tester by the controls engineer responsible for the PROFIBUS network, the robust, proven network was fully documented and handed over to the engineer responsible for the DCS. The hardware was quickly

configured in the DCS and function testing proceeded smoothly.

There is an additional time-savings aspect to using the tester. The fact, that the PROFIBUS Tester identified potential, covert failure nuisances within the PROFIBUS network before DCS commissioning started reduced the overall time needed for commissioning the DCS by an additional amount of about 25%!

Using the PROFIBUS Tester not only eliminated tremendous amounts of „waiting time“ but also delivered a solid PROFIBUS DP network.

In summary, the PROFIBUS Tester

- Saved PROFIBUS DP commissioning labor
- Saved DCS programming labor, and
- Quickly delivered a solid and reliable network.

Chris Wiley, PE, PMP  
Wiley Engineering, Inc“

Today, many companies are replacing their existing diagnostic tools and standardized on Softing's toolset. The PROFIBUS Tester 4 is a finished solution that does not require any add-on gadgets or additional network components to produce reliable results.

### About Wiley Engineering, Inc.

Wiley Engineering, Inc. was formed in 2004 to perform control systems consulting and integration for local Atlanta OEM's. Since 2004, Wiley has rapidly grown to perform complete systems integration with projects ranging from small one week projects for local manufacturers to large multi-year international projects. We specialize in Automation Engineering, Electrical Engineering, Instrumentation Engineering, and Project Management.



### About Softing

In industrial automation, Softing is a specialist for fieldbus technology and has established itself as a world-leading partner for networking automation systems and control solutions. Softing provides customers the key technology to connect devices, controls, and systems with the leading communication technologies. In fieldbus technology, Softing is a world-class expert for FOUNDATION™ fieldbus, PROFIBUS, and CAN/CANopen/DeviceNet. The company's wide range of expertise includes solutions for OPC, FDT, and Real-Time-Ethernet protocols such as, PROFINET IO, EtherNet/IP, and Modbus/TCP. Many of the products and services developed by Softing since the company was founded in 1979 have become reference standards throughout the world. In addition, Softing has established itself as a provider of sophisticated diagnostic tools for fieldbus systems.