Procedural Knowledge Capture

Capture Know-How and Best Practices Into ISA 106-Based Procedural Automation

Extracting senior staff knowledge and industry best practices into a plant's Standard Operating Procedures (SOPs) is a huge commitment of resources—one that is often wasted as binders of SOPs sit idle on plant managers shelves. Paperless Procedures™ (PLP) is a patented NovaTech software package that converts static SOP documents into a dynamic checklist interface that can execute SOPs in manual, automated, or hybrid mode on operator consoles or tablets, ensuring correct and accountable execution of even rarely used procedures. Conversion of SOPs into the Paperless Procedures dynamic checklist interface is available as a service.

ISA-106 Procedural Automation

PLP provides an intuitive graphical tool to create accurate and consistent SOPs using a intuitive flow chart style of creation. Pre-loaded libraries of operations allow the SOP developer to easily create and publish SOPs that interface/interact with the operator and the control system. PLP also provides advice and direction to the operator for control of equipment and processes. As conditions warrant, training information, procedures, or other information are provided just-in-time to the operator. Procedures are created visually to ensure consistency of verbiage and execution, and linked directly to D/3 PCMs to allow manual, semi-automatic or fully automated execution. PLP features user credential and privilege authentication, extensive logging and reporting of all executed SOPs for data integrity. This results in improved documentation, revision control, and reliable, time-stamped execution for all SOPs. Operators, Supervisors and Managers can view the same procedures simultaneously and contribute comments and feedback to improve procedures. All of which results in safer plant operations, reduced off-spec product, and improved process consistency, EH&S event responses, operator efficiency, and product quality.

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