EXPERION PKS:
ADVANCED – SYSTEM LEVEL TROUBLESHOOTING AND MAINTENANCE

COURSE OVERVIEW

Course Number: EXP-25
Course Duration: 9.5 Days

Prerequisite Course (s):
- **(EXP-02 and EXP-2001C3/UOC) or**
- **(EXP-05C3 or EXP-05C3S or EXP-05UOC) or**
- **EXP-23**

In this course participants will troubleshoot both the hardware and software of Experion PKS system.
- Virtual lab exercises comprise 90% of the course
- Participants will be required to verify reported problems, create a hypothesis regarding the likely problem area, and apply a planned troubleshooting procedure to isolate the problem
- Locate the issue causing the problem, propose a solution, identify the implications to the control system and process of implementing the solution
- Participants will learn safer and more effective troubleshooting procedures along with improved navigation skills of system displays and programs
- Each System Environment includes a Domain Controller, Redundant ESVT nodes, ACE-T node, EST node, OPC Server, ControlEdge PLC SCADA controller and redundant C300 controllers with C300 I/O and PM I/O

COURSE DELIVERY OPTIONS

- Asynchronous Training (AT)
  - ➤ Self-paced with 10 days to complete
- Instructor-Led Training (ILT)

COURSE OBJECTIVES

- Use Experion PKS operating, configuration and troubleshooting displays to identify and rectify network faults in FTE, Server, Station, and Security connections
- Troubleshooting with system displays and programs to locate and rectify faults in a C300 controller, with PMIO or Chassis IO
- Troubleshooting controller to field instrument type problems
- C300 troubleshooting – error indications Local LED's and Station Displays
- PM I/O troubleshooting (C300 connected) - error indications Local LED's and Station Displays
- SCADA problems
- OPC problems
- OPC UA problems
- Dynamic Alarm Suppression problem
- System Wide Events problem
- TPS/LCN/ELCN – Experion communication and connection problems
- Experion System Logs and Analysis Tools
- Server and Security issues
  - o Asset Profiles and Console change
- Station and Server redundancy issues
- EMDB and ERDB corruption issues
- FTE and Ethernet Switches
- Configuration Studio, Network Tree
- Experion Support and Maintenance, Using Diagnostic Studio
- Experion Backup and Restore
- TPN Backup and Restore
- C300 PCDI Connections to ControlEdge PLC
- Domain Controller and Experion GPOs
- Redirection Manager (RDM)

Honeywell