



## GLOBAL USER STATION/LOCAL CONTROL NETWORK/UNIVERSAL CONTROL NETWORK IMPLEMENTATION USING THE DATA ENTITY BUILDER (HONEYWELL COURSE NUMBER 5722)

### COURSE DESCRIPTION

This Global User Station (GUS)-based course provides a hands-on introduction to operating and configuring a TotalPlant Solution (TPS) System consisting of a Local Control Network (LCN), a Universal Control Network (UCN) and an HPM controller using the Data Entity Builder (DEB) as the configuration tool. Skills include operating points and cascades through the Native Window, configuring the TPS network and its nodes, building an HPM point database, creating basic GUS displays, configuring an operator keyboard and setting up history functions, Group displays, logs, journals and reports.

#### COURSE OBJECTIVES

Participants will gain basic operating skills, identify hardware components of the LCN and UCN, gain the basic skills required to implement an LCN and UCN from a power-on state to an operational state.

In addition, participants will also learn to utilize tools to facilitate system implementation and support functions and establish the foundation for further in-depth implementation or maintenance training.

#### COURSE OUTLINE

- Identify GUS, LCN and UCN hardware and their functions
- Navigate and manipulate Native Window operational and system displays including the Group, Detail, Alarm Summary, Console, System and UCN Status displays
- LCN formatted files on the HM or Emulated Disk through the Command Processor
- Configure the GUS for TPS System operations using the Configuration Utility
- Create a Network Configuration File to establish fundamental system definitions
- Initialize a HM to establish it as the system file server and historical data collector
- Configure a UCN consisting of a NIM and HPM
- Operate and build HPM analog I/O, regulatory control and regulatory process variable type points, including cascade control loops
- Create a configurable GUS keyboard button file
- Define parameters for history collection on the HM
- Create a simple GUS graphic
- Define the Area Database to customize the operations environment including assigning units for operational control, building group displays, defining graphic invocation search paths and creating logs, journals and reports
- Optionally utilize system support and administration tools including the TPS Status display, Command Files, Exception Build files, the Documentation Tool, and Virtual Printers

#### FOR WHOM

TPS implementation and support personnel.

#### PRE-REQUISITES

A working knowledge of your process.

#### COURSE LEADER

The course leader is a Honeywell accredited trainer.

#### CERTIFICATE OF PARTICIPATION

Certificates of Participation will be awarded to participants who have achieved 75% attendance for the course.

## COURSE INFORMATION

Course Code	:	CT4003
Day / Time	:	Monday to Friday (9.00 am to 5.00 pm)
Duration (hours)	:	80 hours
Venue	:	Chemical Process Technology Centre 81 Jurong Island Highway Singapore 627837
Closing Date for Registration	:	5 days before commencement date

## COURSE ADMINISTRATION

### Registration

For registration, please complete and return the attached Registration Form together with the appropriate payment by cheque made payable to "Petrofac Training Pte Ltd".

### Enquiries

Telephone: 6880 2000 Telefax: 6896 7151

Course Fee Subsidy/Payroll Subsidy

Not Available Yet