

TPS: **FUNDAMENTALS –** **DCS OVERVIEW**



COURSE OVERVIEW

Course Number: TPS-0002

Course Duration: 2 Days

Prerequisite Course (s): None

The course teaches preliminary skills for process control operators. The training includes an introduction to basic process control loops and instrumentation, including temperature, level, flow, and pressure. The course contains a number of training exercises to support the discussion.

COURSE DELIVERY OPTIONS

- Instructor-Led Training (ILT)

COURSE OBJECTIVES

- Basic concepts, terminology, instrumentation, and drawing symbols used in the Process Control Industry
- Basic principles of temperature measurement and instrumentation
- Basic principles of pressure measurement and instrumentation
- Basic principles of level measurement and instrumentation
- Basic principles of flow measurement and instrumentation
- Basic principles and types of analytical measurement and instrumentation
- Basic principles and types of final control elements
- The effects that different process dynamics have on industrial plant control systems
- The different types of process controllers and how they are applied to control an industrial plant process
- The different types of multi-loop controllers and how they are applied to control an industrial process