

Lesson 2. CMs and SCMs

Objective:

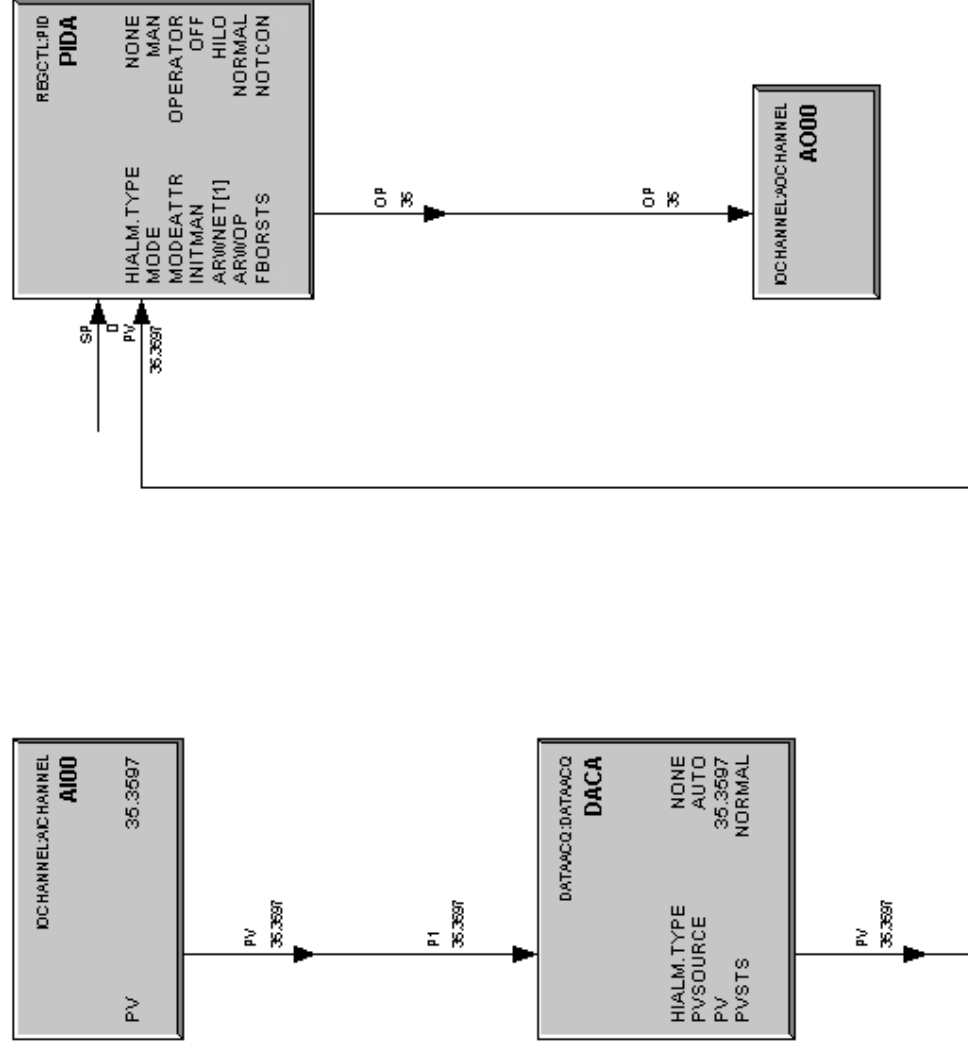
- define how CMs and SCMs are used

Control Modules (CMs)

- **define reusable, hierarchical control strategies for control devices**
- **contain Function Blocks**
- **are built with Control Builder**
- **communicate with control devices/equipment**

Control Module Example

PIDL00P1 [Monitoring, Execution Status = ACTIVE]



Function Blocks

- **Control Builder objects that execute control functions:**
 - **I/O channel**
 - **regulatory control**
 - **auxiliary**
 - **device control**
 - **logic**
 - **utility**
- **have parameters that display what the FB is doing**
- **construct control applications and strategies via soft wire connections**

Sequential Control Modules (SCMs)

- **implement batch logic**
- **consist of alternating Steps and Transitions that sequence process equipment to accomplish a task(s)**
- **built in PlantScape Control Builder**
- **communicate with process control devices/equipment via Control Modules**

SCM Example

