

Lesson 2. Control Strategy Execution

Objectives:

- **Assign a CM or SCM to a Control Execution Environment (CEE)**
- **Load and unload a control strategy**
- **Monitor a control strategy using a classroom simulator**

How to Assign Modules to a CEE

Step 1. Call up the assignment dialog

- “**=**” *assignment icon* on the toolbar
- *Tools -- Assign* via menu items

Step 2. Select appropriate CM/SCM on *CMs/SCMs tab* or select appropriate IOM on *IOMs tab*

Step 3. Select CEE in the *CEE Information box*

Step 4. Click on *Assign button*

- assure that CM/SCM is listed in *Assigned Module box*
- assure that IOMs are listed in *Assigned Modules box*

How to Load a Control Strategy

Step 1. Select assigned modules in *Assigned Modules* box displayed on the Assignment menu.

Step 2. Click on *Load* button.

or

Step 1. Select one or multiple items in the Project Tab.

Step 2. Click on the Down Arrow icon

Change CEE Status from Idle to Run

Step 1. Right click on the CPM in the Control Builder
Monitoring tab and select *Activate*

Result: CEE icon changes from blue to green
to indicate status *Running*

Activate IOMs

Step 1. Right click on the IOM in the *Control Builder Monitoring* tab and select *Activate*
Result: IOM icon changes to green to indicate status *Active*

How to Monitor CM/SCM Execution

Step 1. Double-click on the CM/SCM in the *Monitoring* tab.

Step 2. Activate the CM/SCM:

- *Operate* --> *Activate* or
- *Toggle Activate* toolbar icon

Step 3. Verify that the CM/SCM status is **ACTIVE** in its title bar.

Step 4. Put CM/SCM in manual mode.

Step 5. Use simulator to verify proper operation of CM/SCM.