

# Lesson 19:

## Faceplates in IGSS



**IGSS**

**Interactive Graphical  
SCADA System**





## Topics:

- **What is a faceplate?**
- **Create the faceplate diagram**
- **Link the diagram to the IGSS objects**
- **Design the faceplate**
- **Install and test**

# IGSS

# What is a faceplate?



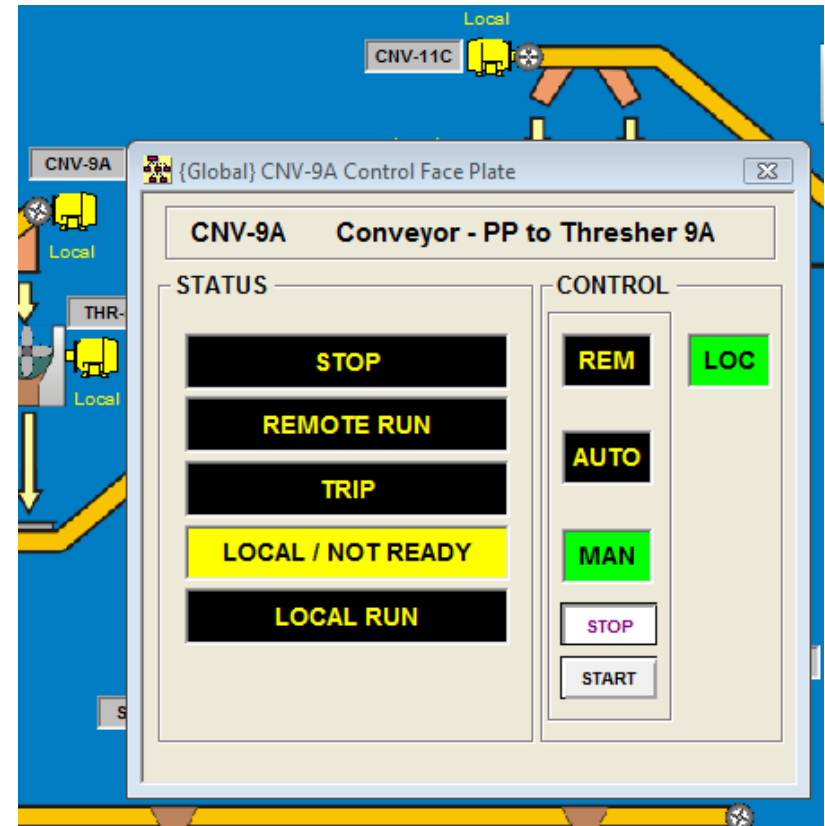
A faceplate is specialized term used in the automation industry.

It is used to describe an element in the SCADA or Supervisory HMI system which interfaces directly with the logic in the PLC controller and provides dynamic graphical display for the operator.

The faceplate ensures that the HMI is always synchronized with the logic in the controller.

# Explain the faceplate diagram

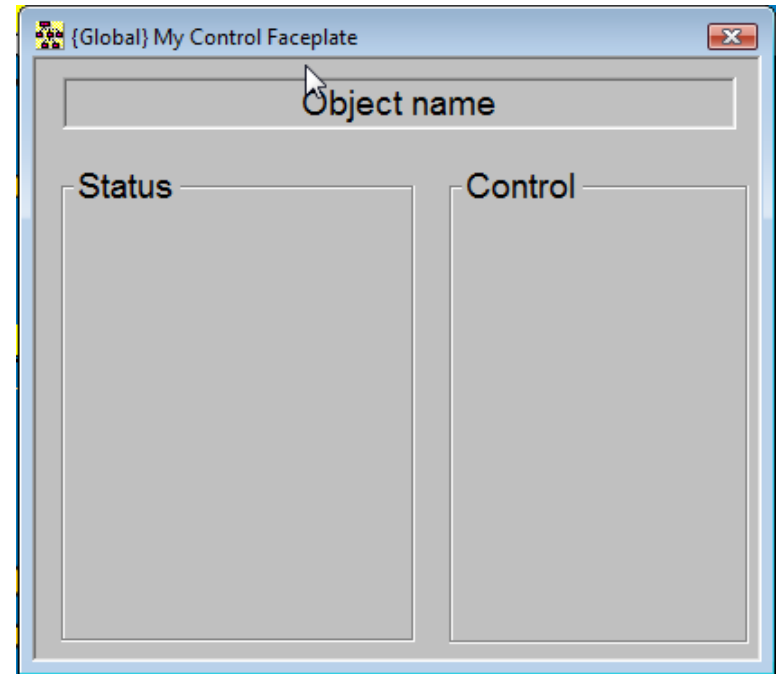
1. Open the **Definition** module.
2. On the **Fuel Preparation** diagram, double-click the object "CNV-9A".
3. Explain the content of the Control Face Plate.
  - Object name and description
  - Status highlighted
  - Control choices for the operator (Remote Run, Auto, Manual, Stop, Start)
  - Local/Local Run (???)



# Create the faceplate diagram



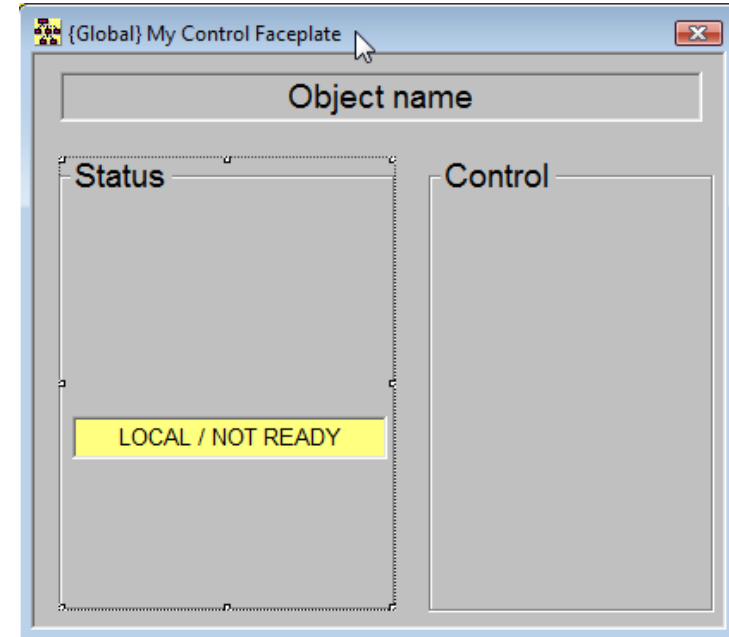
1. In the **Diagram** menu, select **Create**.
2. Only enable **Title bar** and **System menu**.
3. Use **Description** as caption.
4. Resize the faceplate diagram.
5. Insert a text box at the top showing "Object name".
6. Insert two group boxes: **Status** and **Control**.



# Connect the faceplate to the IGSS objects



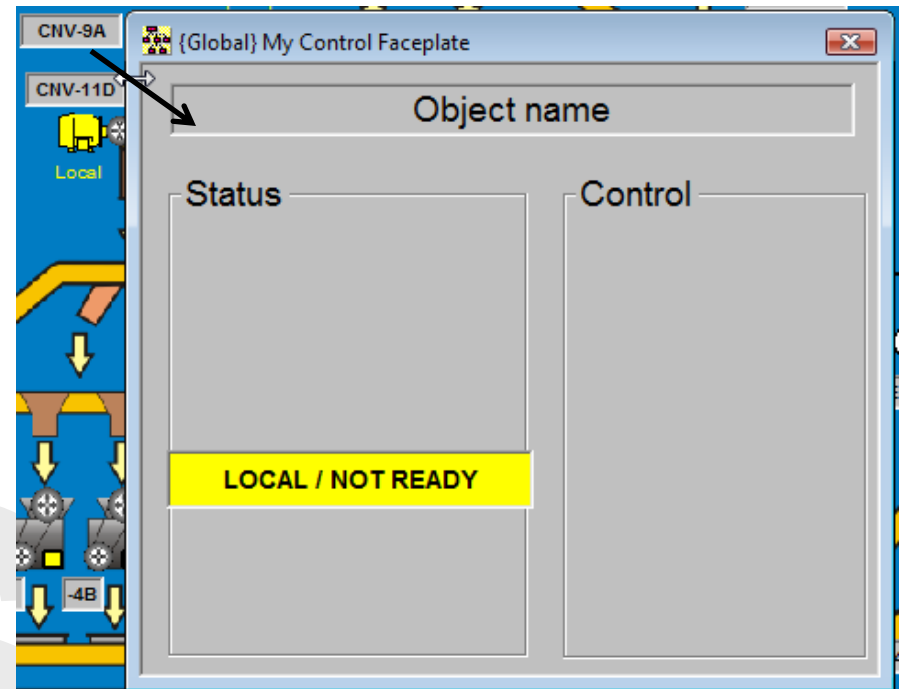
1. Insert a text box for the LOCAL / NOT READY status.
2. Connect the text box to the object CNV-9A.
3. On **Attributes of Text**, change the **Background Color** and the **Text Color**. Remember the **Bind** option.
4. Change the **Static Colors** to yellow background.



# Connect the visual to the faceplate



1. Create a copy of the text box visual.
2. Right-click and select **Reconnect**.
3. Select the " MyFacePlate" diagram.
4. When the operator clicks the text box, the faceplate will pop up.



Try it yourself ...



**Please do**  
**Exercise xx: <Title>**

IGSS