Replacing a Smart Device

By using the standard command **Replace Component ...**, you can replace a Smart Device. However if its logic is instantiated in a root device, the IL_main block of the root device becomes in error; the internal logic instantiated does not exist anymore.

Replace Product allows the user to replace a component, moreover this command updates automatically the logic of the root device.

Note: The user has to manually modify the root logic only if the new logic is not compatible with the old one. That is to say, after the replacement, the ports of the instance used in the root logic does not exist anymore or their types or directions are not suitable with their usage.
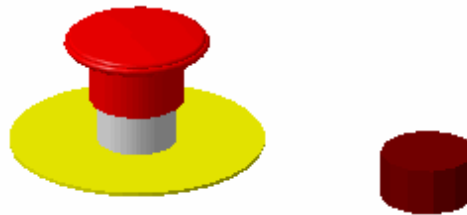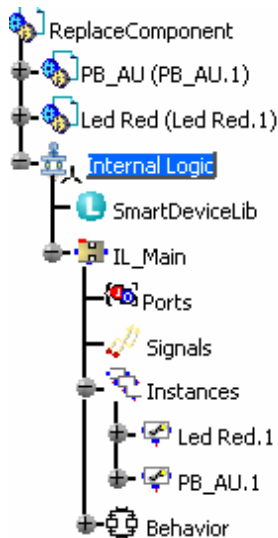
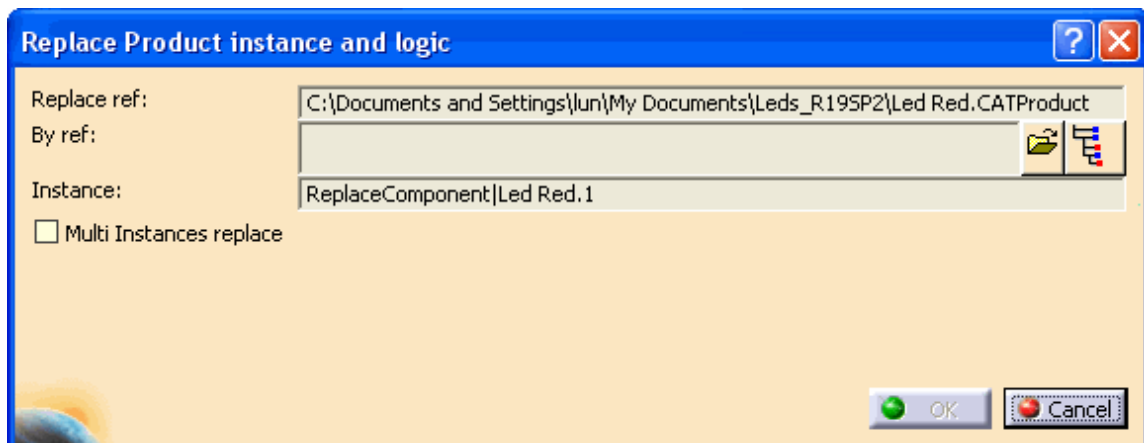The **CLM Device Logic Design** workbench should be opened.

Replacing a SmartDevice

1. Open ReplaceComponent.CATProduct in the **Logic Design** > **CLM Device Logic Design** workbench.


   The internal logics of the devices LedRed and PB_AU are instantiated in the root product.
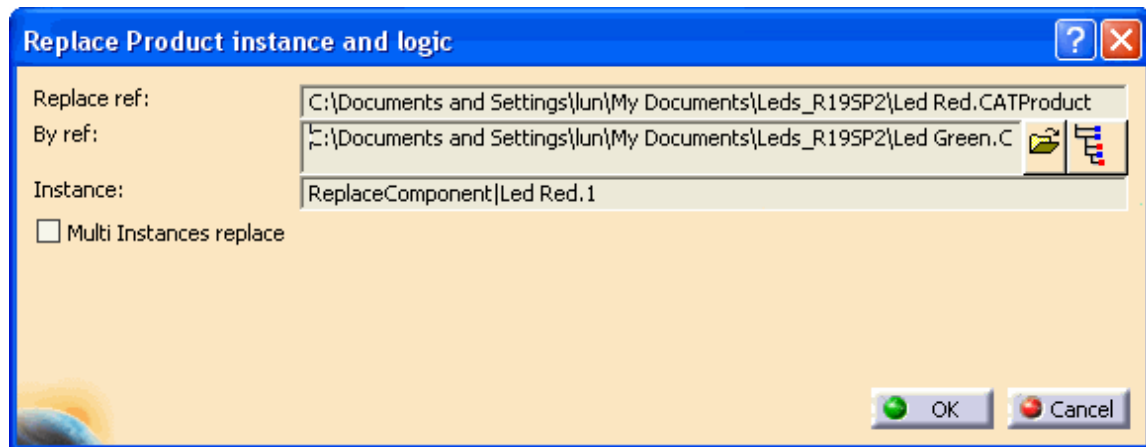
2. Select **Replace By Existing Device** and select Led Red in the specification tree. The dialog box **Replace Product Instance and Logic** appears:
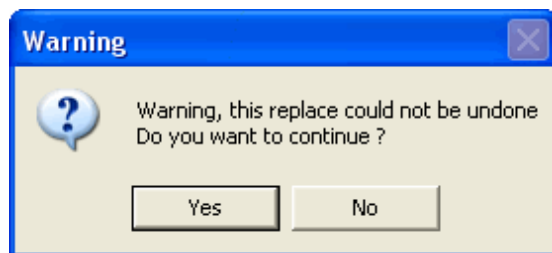

   o **Replace ref**: Displays the path of the device to replace.

○ **By ref**: You can choose the new device by clicking ⬚ to select the product on the disk or by clicking ⬚ if the device is available in the specification tree.

○ **Instance**: Displays the instance's name of the device to replace.

○ **Multi Instances Replace**: You can select this option if you need to replace several instances of the same device.
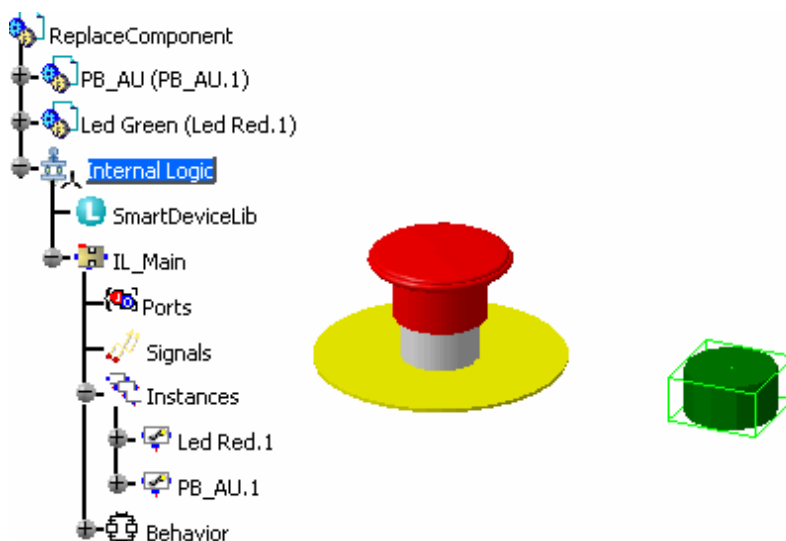
3. Click ⬚. The dialog box **File Selection** appears.

4. Select Led Green.catproduct from the sample directory and click **Open**.

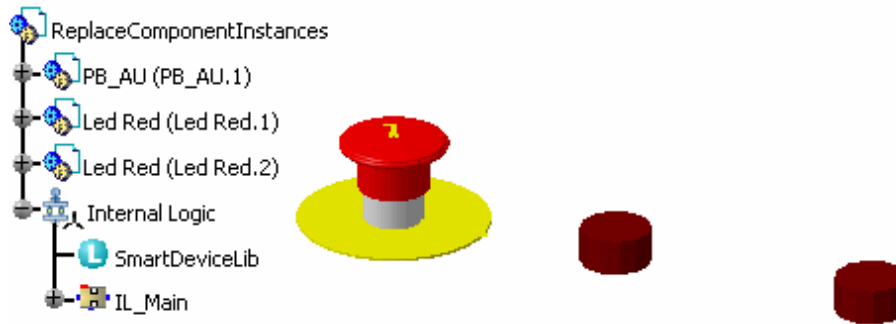5. Click **OK**. A warning message appears.

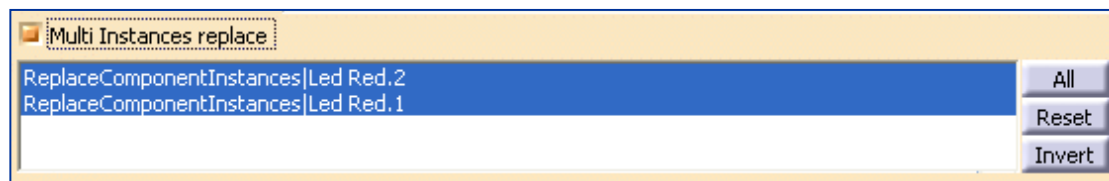6. Click **Yes** to confirm the replacement. The device Led Red is replaced by the device Led Green.

Replacing Several Instances

1. Open ReplaceComponentInstances.CATProduct in the **Logic Design** > **CLM Device Logic Design** workbench.

2. Select **Replace By Existing Device** [icon] and select Led Red in the specification tree. The dialog box **Replace Product Instance and Logic** appears.

3. Click [icon]. The dialog box **File Selection** appears.

4. Select Led Green.catproduct from the sample directory and click **Open**.

5. Check **Multi Instances Replace**. The list of the instances of the device Led Red appears.

You can click an element of the list to select or unselect any instance. You can also use the buttons **All**, **Reset** and **Invert**.

6. Select the 2 instances and click **OK**. A warning message appears.

7. Click **Yes** to confirm the replacement. The 2 instances of Led Red are replaced by Led Green.