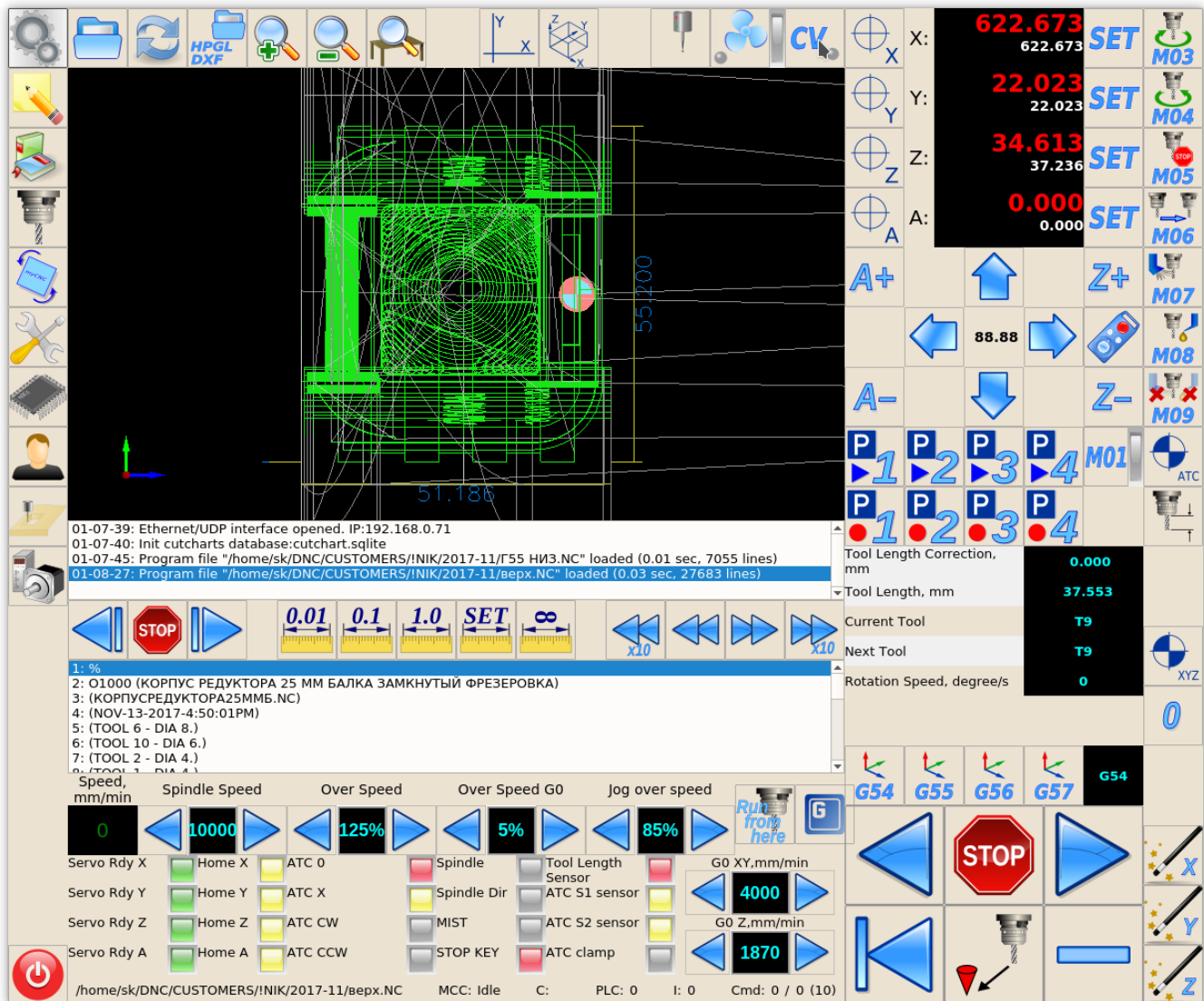


Add a Button to toggle output pin with indication

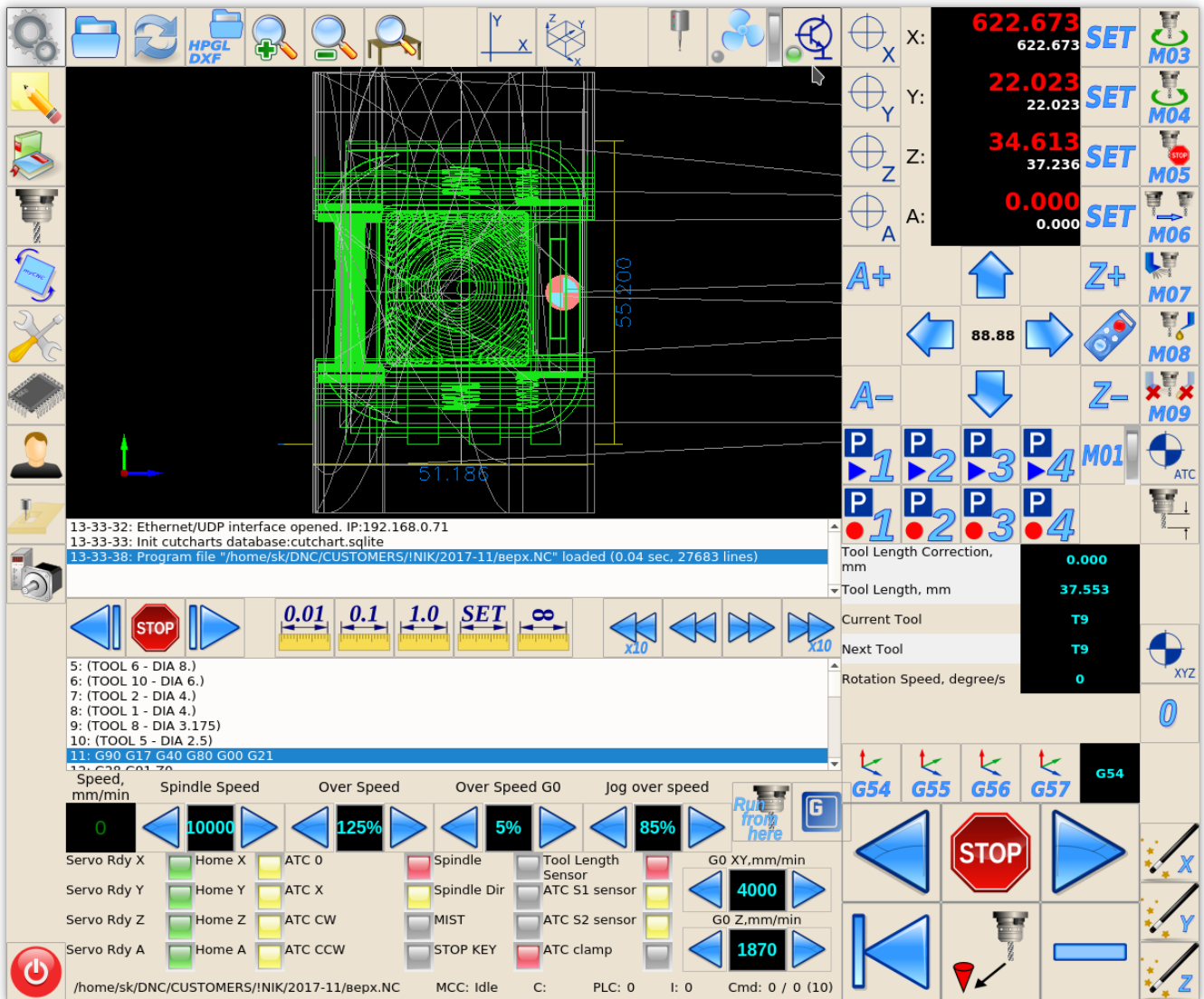
- Need to add a button on main screen of **Tomas2** profile instead of “CV” button.
- The button should toggle output #6
- The button should have built-in LED indicator to show current Output Pin state.



The button code in **cnc-screen.xml** will look as

```
<gitem where="work-toolbar" type="xbutton" height="60"
image="outputs/transistor-off" action="soft-plc-run: __TR"
xattr="2;38;20;20;led;green;round" address="outputs" number="6"/>
```

- **where="work-toolbar"** - Widget name to put the button
- **type="xbutton"** - Type for button with built-in LED indicator
- **height="60"** - Size for button. It's supposed square button if No "width" attribute given
- **image="outputs/transistor-off"** - Skin image for the button
- **xattr="2;38;20;20;led;green;round"** - Built-in Led indicator type, color, position and size
- **address="outputs" number="6"** - Address (inputs or outputs) and pin number to show state



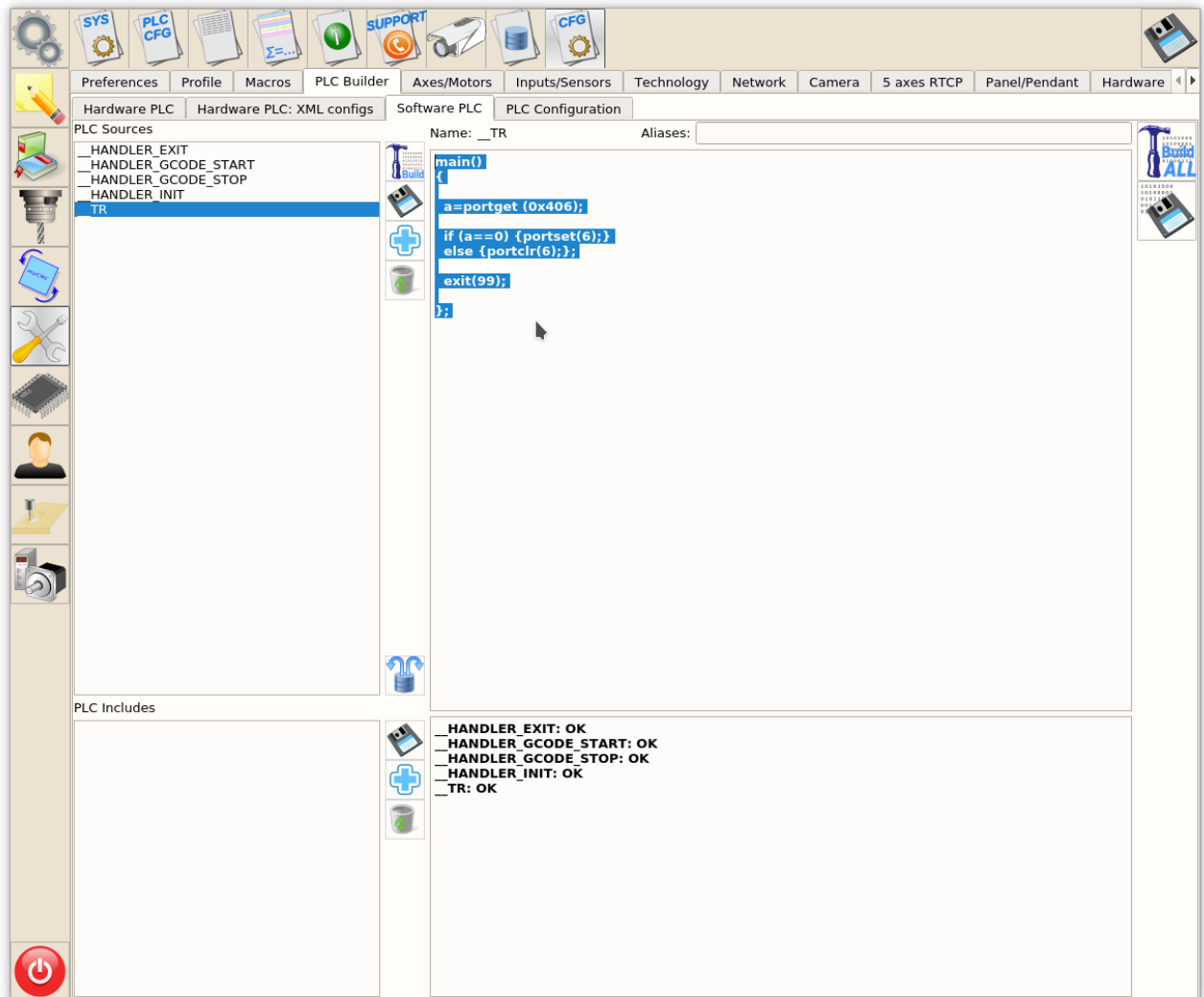
Software PLC procedure source code to toggle output pin will be as follow

```
main()
{
    a=portget (0x406); //read current state of output #6

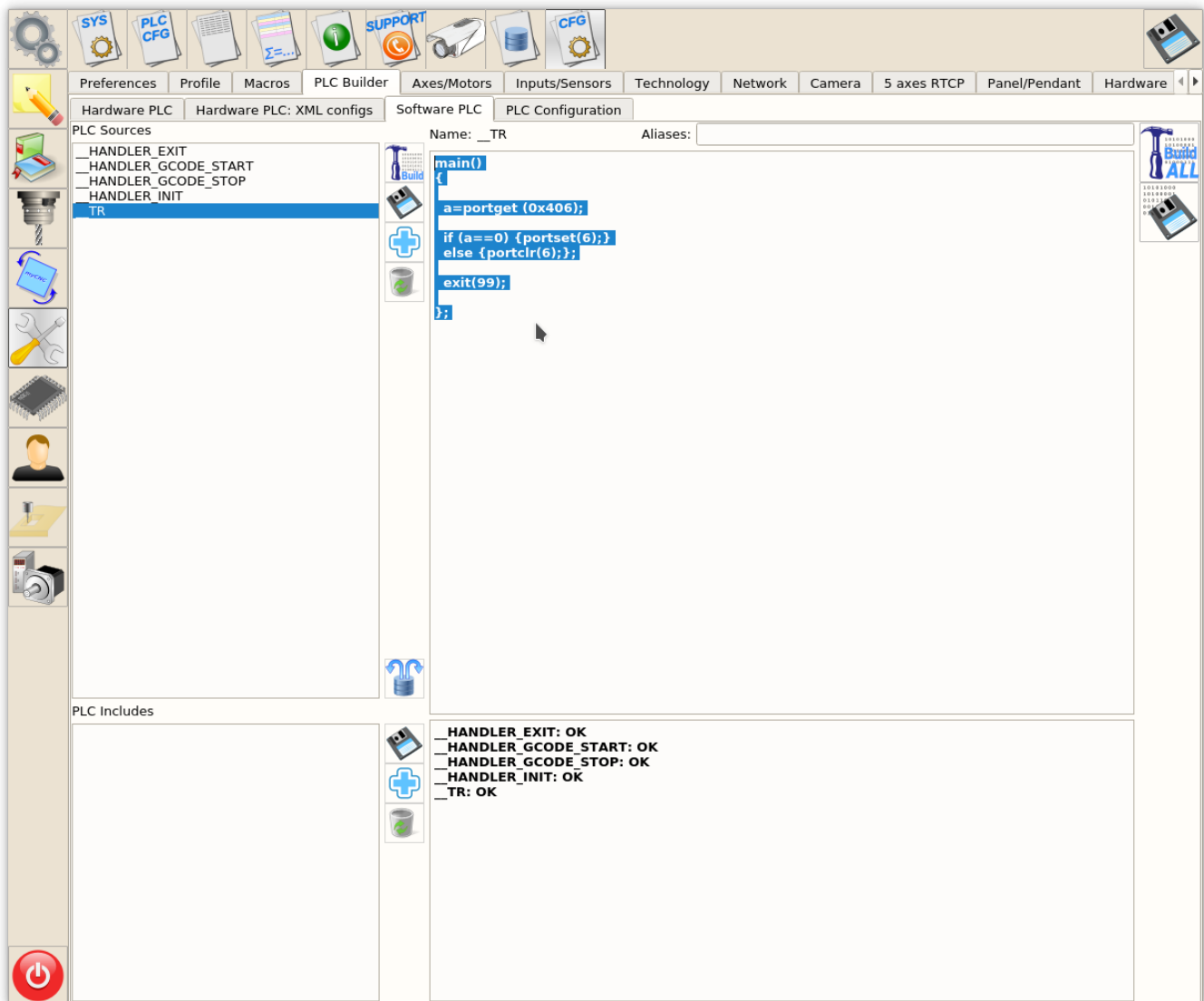
    if (a==0) {portset(6);}
    else {portclr(6);}
    exit(99);
};
```

To add Software PLC procedure -

- Go to Software PLC tab
- Press + (Add) button and enter PLC procedure name



- Fill the procedure source code
- Press 2 buttons on the right - **Build All** and **Save** to save source code and build PLC binary file



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Permanent link:
http://docs.pv-automation.com/plc/button_to_toggle_select_output_pin_with_indication?rev=1512586140

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