Escena11_ST

```
 1  R_TRIG_0 (CLK := start);
 2  if stop and not reseteo and R_TRIG_0.Q then
 3          start_light:=1;
 4          stop_light:=0;
 5          reset_light:=0;
 6          %M50:=0;
 7  end_if;
 8  if start_light and not stop_light and not reset_light then
 9  if level_meter<setpoint-100 then
10          fill_valve:= 1000;
11          Discharge_valve:=0;
12  elsif level_meter=setpoint+10 or level_meter=setpoint-10  then
13          fill_valve:= 0;
14          Discharge_valve:=0;
15  elsif level_meter>setpoint+100 then
16          fill_valve:= 0;
17          Discharge_valve:=1000;
18  elsif ((setpoint-100)<level_meter) and level_meter<setpoint-5 then
19          fill_valve:= 100;
20          Discharge_valve:=0;
21  elsif ((setpoint+100)>level_meter) and level_meter>setpoint+5 then
22          fill_valve:= 0;
23          Discharge_valve:=100;
24  end_if;
25
26  end_if;
27  sp := setpoint;
28
29  PV:=level_meter;
30  R_TRIG_2 (CLK := reseteo);
31  if r_trig_2.q then
32          %M51:=0;
33  end_if;
34  if (R_TRIG_2.Q and not start_light) then
35          Discharge_valve:=0;
36          fill_valve:= 0;
37          start_light:=0;
38          reset_light:=1;
39  end_if;
40
41  if %M51 and %s6 then
42          reset_light:=1;
43  end_if;
44  if %M51 and not %s6 then
45          reset_light:=0;
46  end_if;
47
48  F_TRIG_0 (CLK := stop);
49  if F_TRIG_0.Q then
50          stop_light:=1;
51          %M50:=1;
52  end_if;
```