EcoStruxure Process Expert 2020 R2 Grain Silo Manager Release Notes

Table of Contents

1 Overview

This document lists the all the templates available with this release and key configurations.

2 List of Templates Delivered

The following are the list of templates available in the Grain Silo Manager Library

Sr No	Name	Version	Description
1	$DES	4.0.9	Disinfection Control
2	$ATV6xx_OS	4.0.5	ATV6XX drive configuration
3	$ATV9xx_OS	4.0.6	ATV9XX drive configuration
4	$SECHOIR	4.0.6	Dryer system
5	$FIL	4.0.9	Filter control
6	$B2D	4.0.7	Two direction box
7	$B3D	4.0.7	Three direction box
8	$CHA	4.0.8	Cart / trolley on belt conveyor
9	$PEN	4.0.8	Pendulum / swing type distributor
10	$REV	4.0.8	Rotary type distributor
11	$ASP	4.0.9	Suction motor control
12	$ECL	4.0.9	Closed funnel motor
13	$ELV	4.0.10	Elevator
14	$NET	4.0.9	Cleaner
15	$TBE_DS	4.0.12	Belt conveyor - single source double destination
16	$TBE_SS	4.0.9	Belt conveyor - single source single destination
17	$TCE_DS	4.0.12	Chain conveyor – single source single destination
18	$TCE_SS	4.0.9	Chain conveyor – single source double destination
19	$VEN	4.0.10	Ventilation - exhaust fan
20	$VIS	4.0.9	Screw conveyor
21	$TRP	4.0.7	Slide gate without suction
22	$TRP_ASPI	4.0.8	Slide gate with suction
23	$BOISSEAU	4.0.7	Hopper
24	$CELLULE	4.0.8	Storage cell
25	$B2D_FICTIF	4.0.7	Virtual two direction box
26	$B3D_FICTIF	4.0.6	Virtual three direction box
27	$CAMION	4.0.6	Truck
28	$FICTIF	4.0.5	Virtual equipment
29	$FILTRE_ FICTIF	4.0.7	Virtual filter
30	$FOSSE	4.0.6	Virtual grain reception pit
31	$TRP_ FICTIF	4.0.6	Virtual slide gate
32	$BASCULE	4.0.7	Weighing Scale
33	$AND_2	4.0.6	Two input AND function for permissive Interlocks
34	$ASSER_ENTREE	4.0.6	Digital input for permissive Interlocks
35	$AUT_AND_4	4.0.5	Four input AND function for permissive Interlocks
36	$AUT_OR_4	4.0.6	Four input OR function for permissive Interlocks
37	$OR_VALID	4.0.6	Eight input OR function to find available equipment
38	$TRAPPE_SOUS_TC	4.0.6	Slide gates under chain Conveyor
39	$TRAPPE_SUR_TC	4.0.5	Slide gates above chain Conveyor
40	$CIRCUIT	4.0.5	Circuit management
41	$GENINFO	4.0.4	General information management
42	$LIC_SDSERIAL	4.0.5	License management
43	$ZONE_CM	4.0.5	Zone management

Sr No	Citect SCADA Include Project Name	File Version
1	OPTISILO_Include	4.27
2	SGC_Include2	4.0102

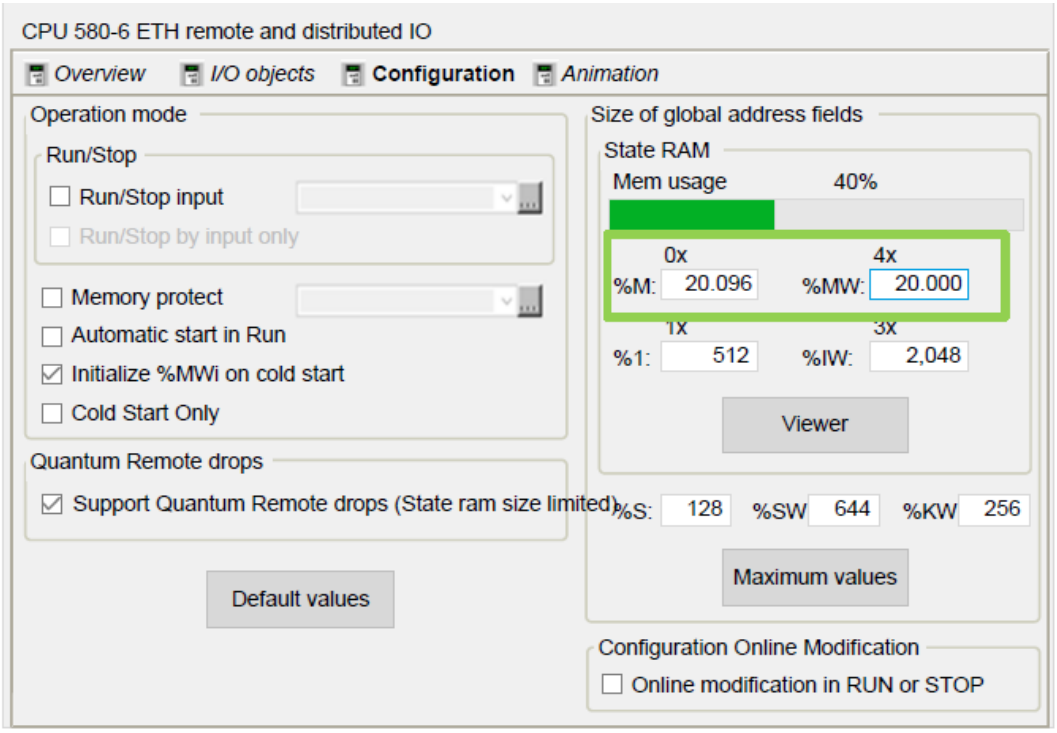
3 Key Configuration

3.1 Instance property configuration:

LIC_SDSERIAL template instance name must be PLC1_LIC.

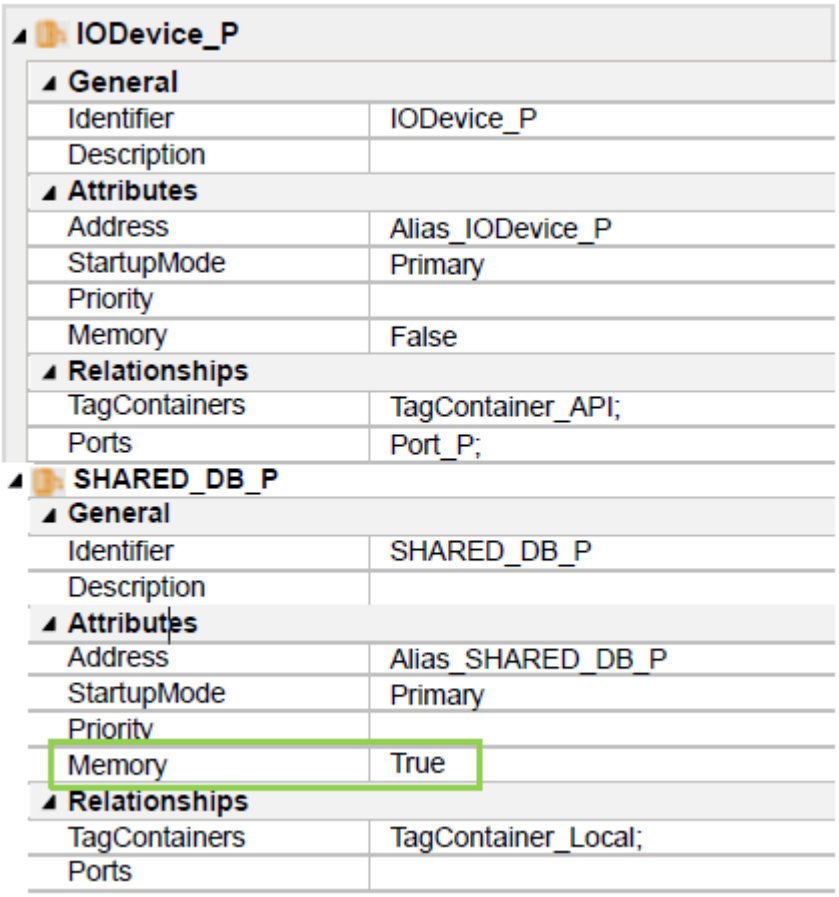
3.2 Control project Configuration:

Memory address for plc need to increase from default to %MW20,000 & %M20,000.



3.3 Supervision project configuration:

- Create Extra tag container (name should be TagContainer_Local)
- Create new IODevice (name should be SHARED_DB_P)
- IODevice "SHARED_DB_P" Memory should be **True** (IODevice→ SHARED_DB_P → Attributes→Memory-**True**)



IODevice_P	
General	
Identifier	IODevice_P
Description	
Attributes	
Address	Alias_IODevice_P
StartupMode	Primary
Priority	
Memory	False
Relationships	
TagContainers	TagContainer_API;
Ports	Port_P;
SHARED_DB_P	
General	
Identifier	SHARED_DB_P
Description	
Attributes	
Address	Alias_SHARED_DB_P
StartupMode	Primary
Priority	
Memory	True
Relationships	
TagContainers	TagContainer_Local;
Ports	

- Page name should be Home.
- Username & full Name both must be defined (Supervision→Security→users).

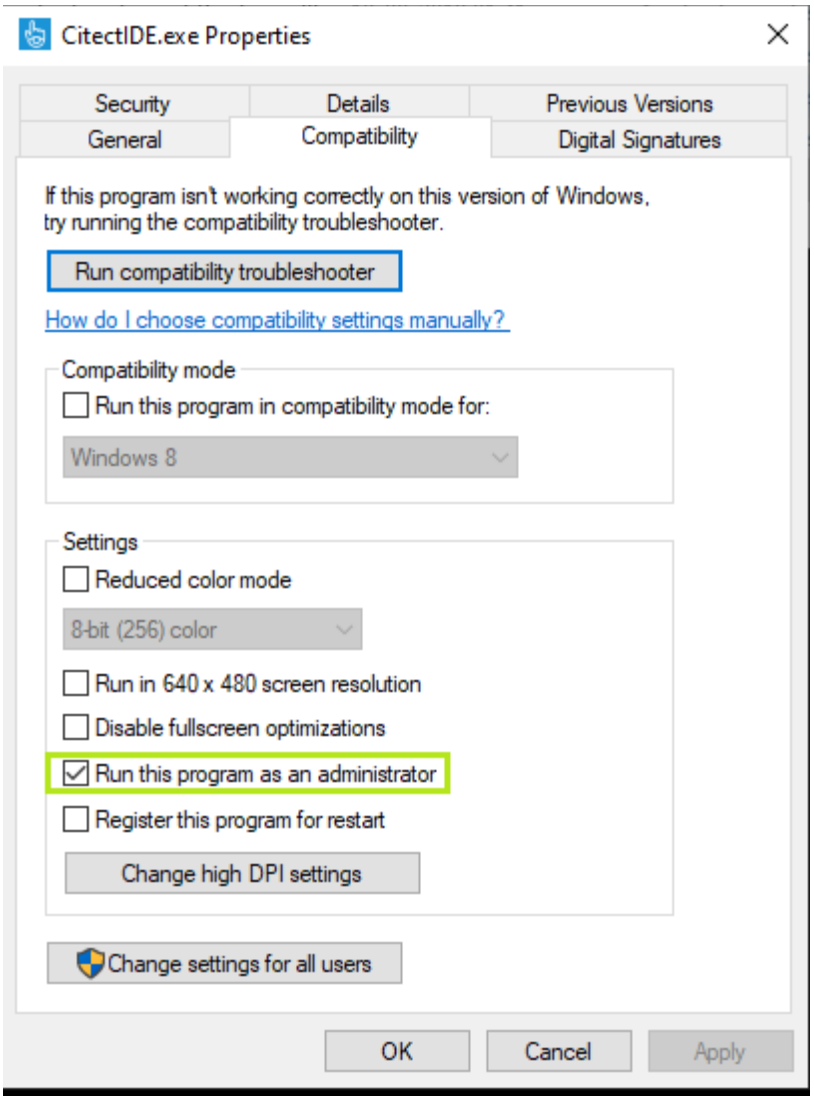
3.4 Configure and Run supervision project:

- In the Setup Editor under Security Section, add the BlockExec Parameter to 0 (BlockExec=0).
- In the Setup Editor under Startup Section, add the initmultimonitors Parameter to 0 (initmultimonitors=0).
- Open the Citect Studio always in Administrator mode. Perform the following steps to open Citect Studio by default in Administrator mode:

  a. Go to the path C:\Program Files (x86)\AVEVA\Citect SCADA 2018 R2\Bin\CitectIDE.

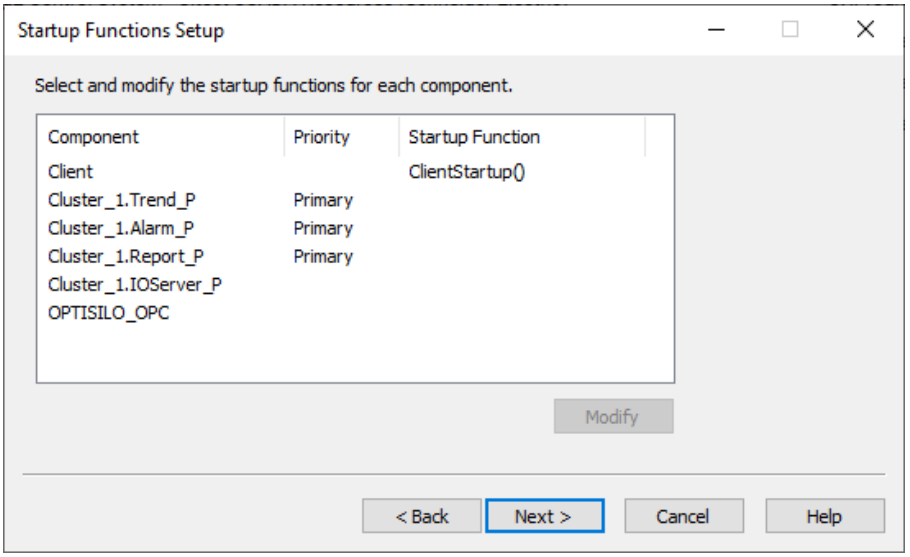
  b. Right -click on the CitectIDE.exe .

  c. In the Compatibility tab, select the Run this program as an administrator.



d. Click OK.

- Call ClientStartup () function in Citect to initialize the VisioSilo application before client runtime. This step can be done through Computer setup wizard in Citect Studio.



NOTE: Siren stop is only applicable for fault & alarm klaxon, Not applicable for circuit klaxon.