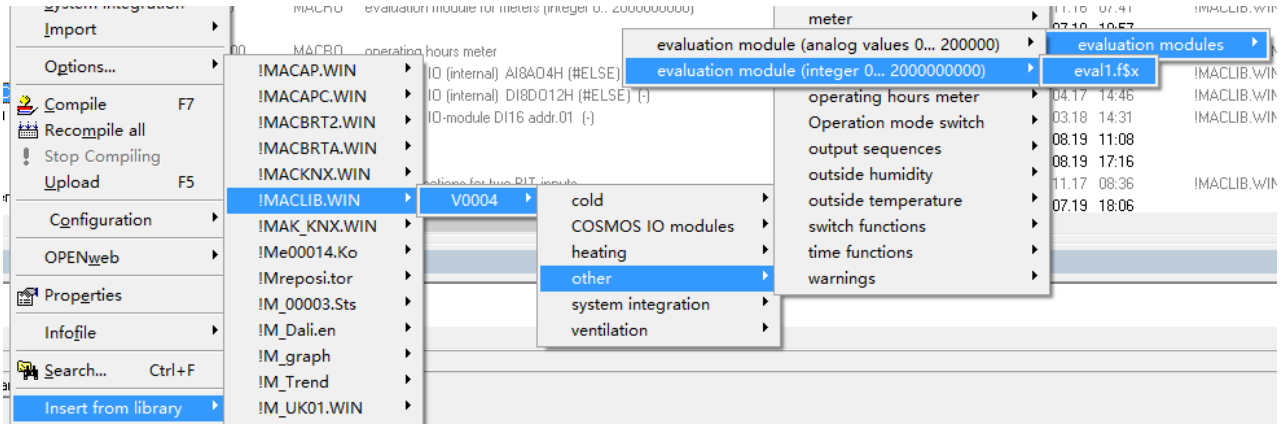
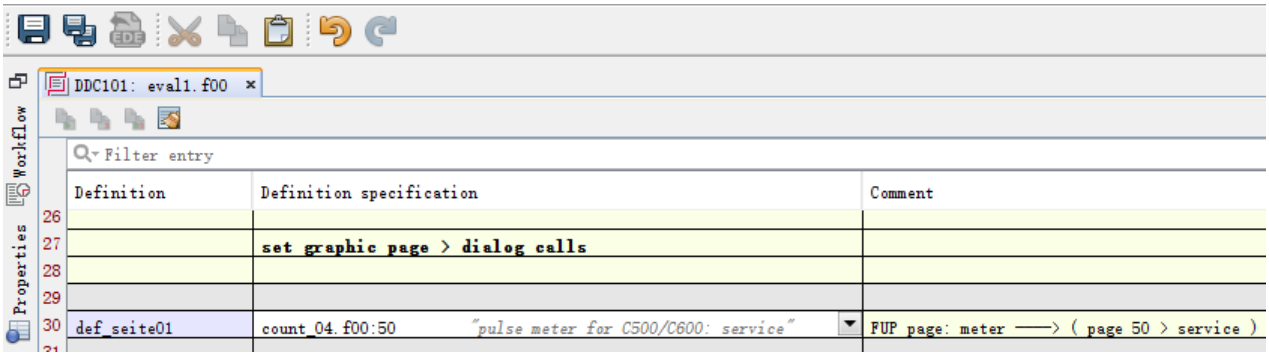
TT190906 – FUP - Energy Analysis Macro

1. We have a macro called “eval1” that can help you to analyses the energy usage in graphical format by hourly, daily, monthly, etc.

2. First, we add the “eval1” macro to the controller



3. Link it to the counter macro (count_04) we used in TT190905



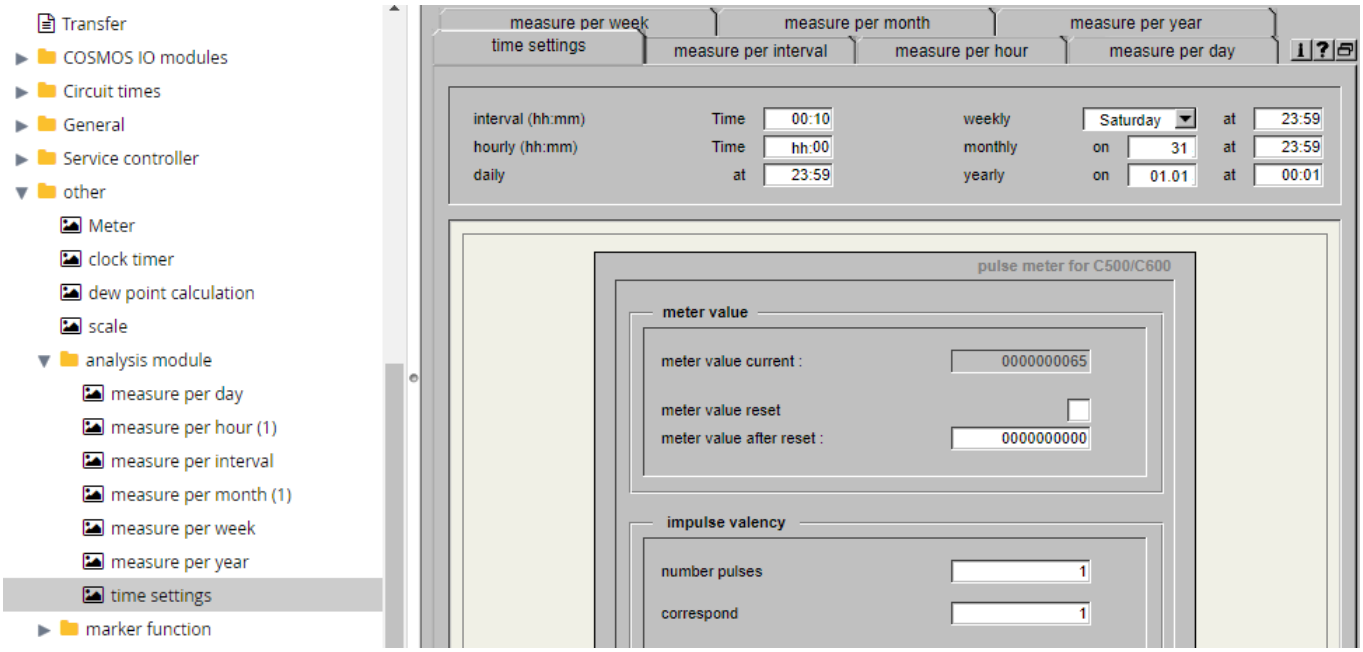
4. Assign the units and link it to the “meter_value” reference in the “count_04” macro

DDC101: eval1.f00

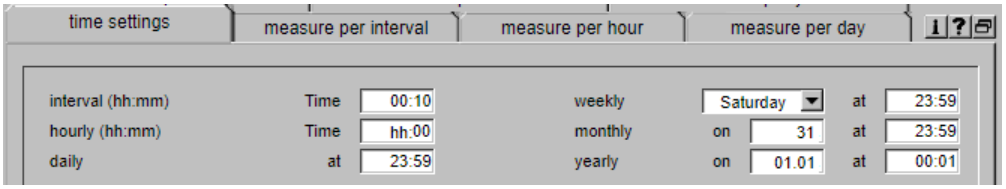
Filter entry

	Definition	Definition specification	Comment
51			
52		**set UI page > physical unit (maximum 3 characters)**	
53			
54			
55	def_einh01	kWh	1.physical unit of the setpoint (e.g. lux, %, Pa, ppm)
56	def_einh02	kWh	2.physical unit of the setpoint (e.g. lux, %, Pa, ppm)
57			
58			
59			
60			
61			
62			
63		**declare FUP page > cross references (maximum 13**	
64			
65			
66	def_ext01	count_04.f00:meter_value "pulse meter for C500/C600:	meter value current
67	def_ext02	const.f:dig_null "assignment of the constants: constant	external central reset

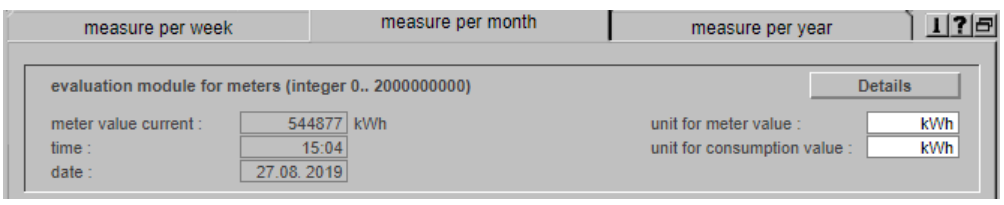
5. Compile and upload to the controller. It’s under “other”, “analysis module”. In the “time settings” page, you can see the meter readings



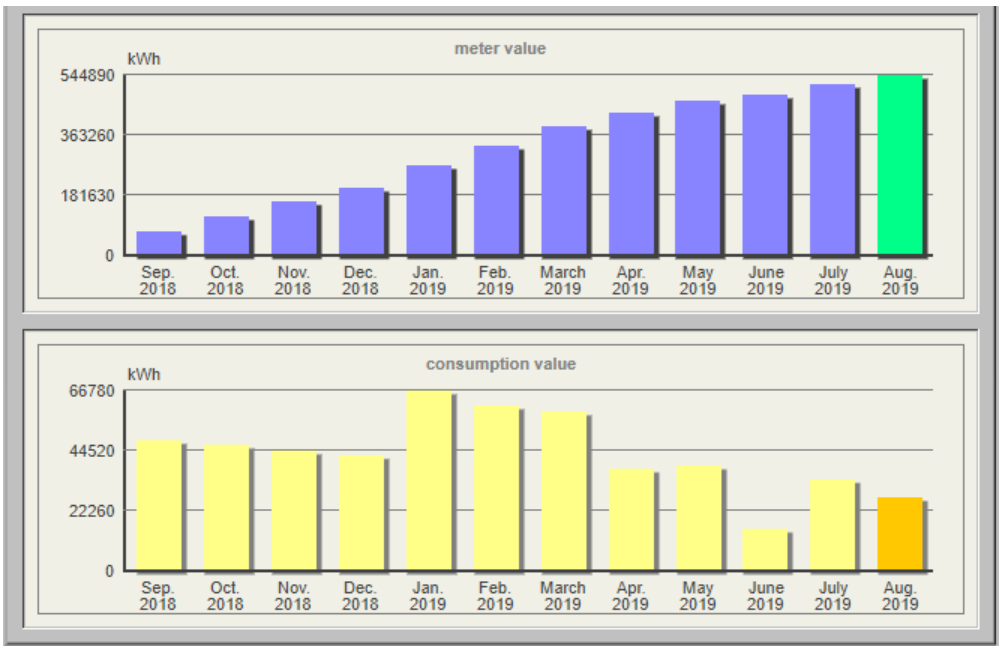
6. First, you need to setup the date/time for the data collection (like below), e,g, daily at 23:59, and yearly on Jan 1, at 00:01. If it’s a new controller, you can just do a “preset” to default value



7. Click on the tabs to see the energy analysis graph for different periods



8. Please note you will need to wait for a longer period in order to see the graphic for day, month, etc.



9. Click on the “Details” button, to view the measurements for each period, and calculation of the energy usage per period