

## CODESYS V3 (Ethernet)

Supported series: LTI MOTION MO CM-3, MO CM-6, CODESYS V3, Hitachi-EH150

Website: <http://www.lti-motion.com/>

### HMI Setting:

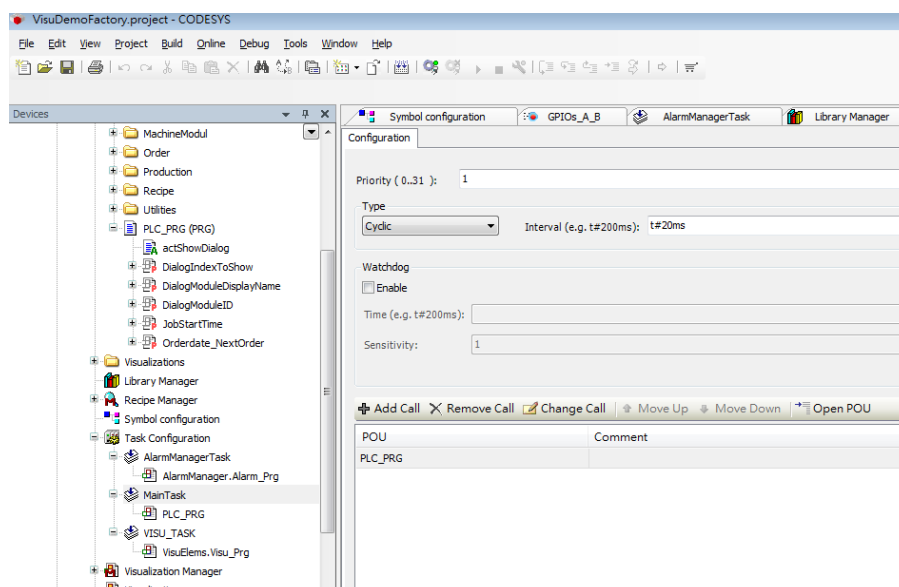
Parameters	Recommended	Options	Notes
<b>PLC type</b>	CODESYS V3 (Ethernet)		
<b>PLC I/F</b>	Ethernet		
<b>Port no.</b>	1740		
<b>Source port</b>	1742		
<b>Protocol</b>	V3 UDP/IP	V3 UDP/IP V3 TCP/IP V3 TCP/IP Communication Optimun V3 UDP/IP Communication Optimun	
<b>Motorola Byteorder</b>			
<b>User name, Password</b>			

### PLC Setting:

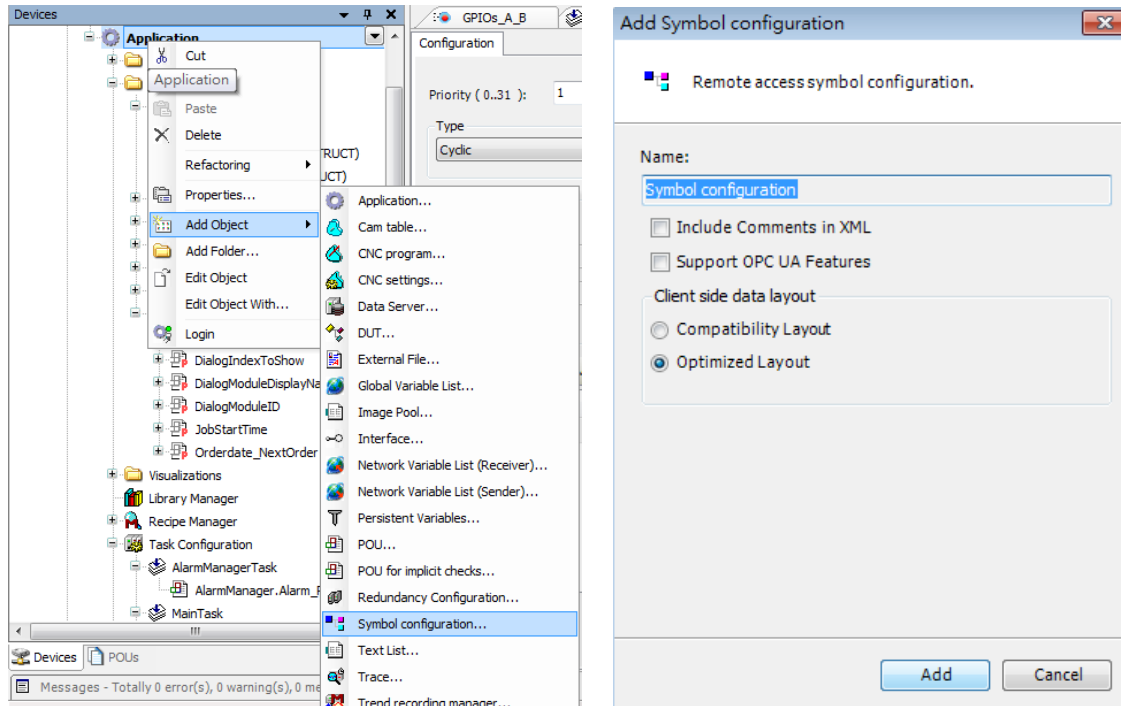
<b>Device user management</b>	Enable or disable according to the settings.
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### How to Import Tags:

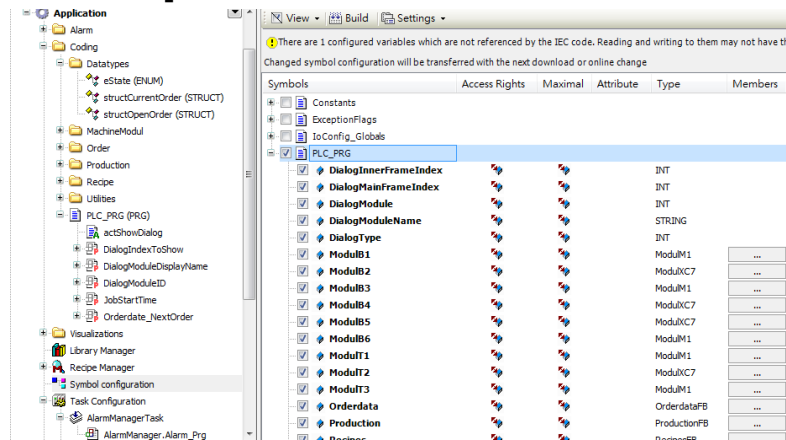
1. Under “MainTask” set POU PLC\_PRG.



## 2. Add "Symbol configuration" into Devices list.



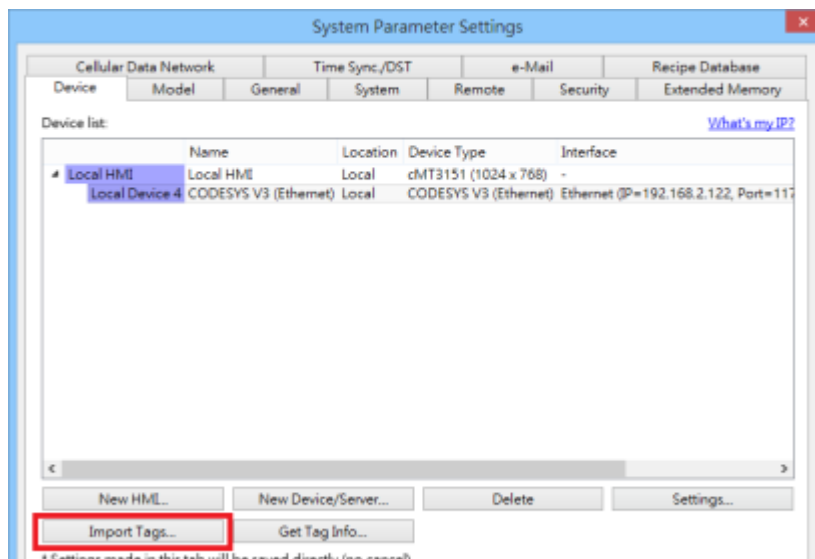
## 3. Select PLC\_PRG and its tag information is shown, build the project. [build] -> [Generate Code]



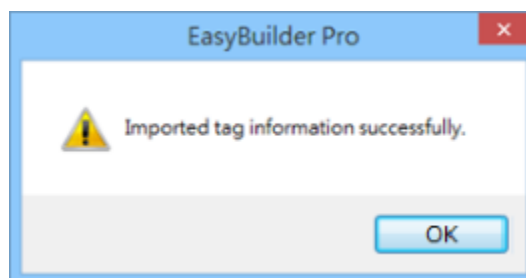
## 4. A \*.xml file is generated in the directory of the project.

VisuDemoFactory.Device.Application.77b33013-b5cd-4...	2016/4/29 11:36	BOOTINFO 檔案	43,347 KB
VisuDemoFactory.Device.Application.77b33013-b5cd-4...	2016/4/29 11:36	BOOTINFO_GUL...	1 KB
VisuDemoFactory.Device.Application.77b33013-b5cd-4...	2016/4/29 11:36	COMPILEINFO 檔...	43,347 KB
VisuDemoFactory.Device.Application.xml	2016/4/29 11:36	XML Document	29 KB
VisuDemoFactory.project	2016/4/29 19:26	CODESYS project	1,362 KB
VisuDemoFactory.project.~u	2016/5/4 11:17	~U 檔案	1 KB
VisuDemoFactory-admin-Weintek-RD-APP1.opt	2016/4/29 19:26	OPT 檔案	81 KB
VisuDemoFactory-AllUsers.opt	2016/4/29 19:26	OPT 檔案	1 KB

- In System Parameter Settings click **[New]** to add CoDeSys V3 (Ethernet) driver into the device list and then click **[Import Tags]**, and then select the tag file (.xml) generated by the PLC software.



- When the tags are imported successfully, click **[OK]** to leave.



## Support Device Type:

Data type	EasyBuilder data format	Memo
Bool	bit	
Byte	16-bit BCD, Hex, Binary, Unsigned	8-bit
SInt	16-bit BCD, Hex, Binary, Signed	8-bit
USInt	16-bit BCD, Hex, Binary, Unsigned	8-bit
Word	16-bit BCD, Hex, Binary, Unsigned	16-bit
Int	16-bit BCD, Hex, Binary, Signed	16-bit
UInt	16-bit BCD, Hex, Binary, Unsigned	16-bit
DWord	32-bit BCD, Hex, Binary, Unsigned	32-bit
DInt	32-bit BCD, Hex, Binary, Signed	32-bit
Real	32-bit Float	32-bit
UDInt	32-bit BCD, Hex, Binary, Unsigned	32-bit
TIME	32-bit BCD, Hex, Binary, Unsigned	32-bit
TIME_OF_DAY	32-bit BCD, Hex, Binary, Unsigned	32-bit
DATE	32-bit BCD, Hex, Binary, Unsigned	32-bit
DATE_AND_TIME	32-bit BCD, Hex, Binary, Unsigned	32-bit
LInt	64-bit Signed	64-bit
ULInt	64-bit Unsigned	64-bit
LWord	64-bit Unsigned	64-bit
LReal	64-bit Float	64-bit
String	Word array for ASCII input and display	Length=word

**Note1:** String length must be set identical to the length in Codesys software.

**Note2:** EBPro V6.03.02 or later supports 64 bits data type (**cMT Series only**), but please note that the address limit range is 48 bits in maximum.

## Wiring Diagram:

### Ethernet cable:

