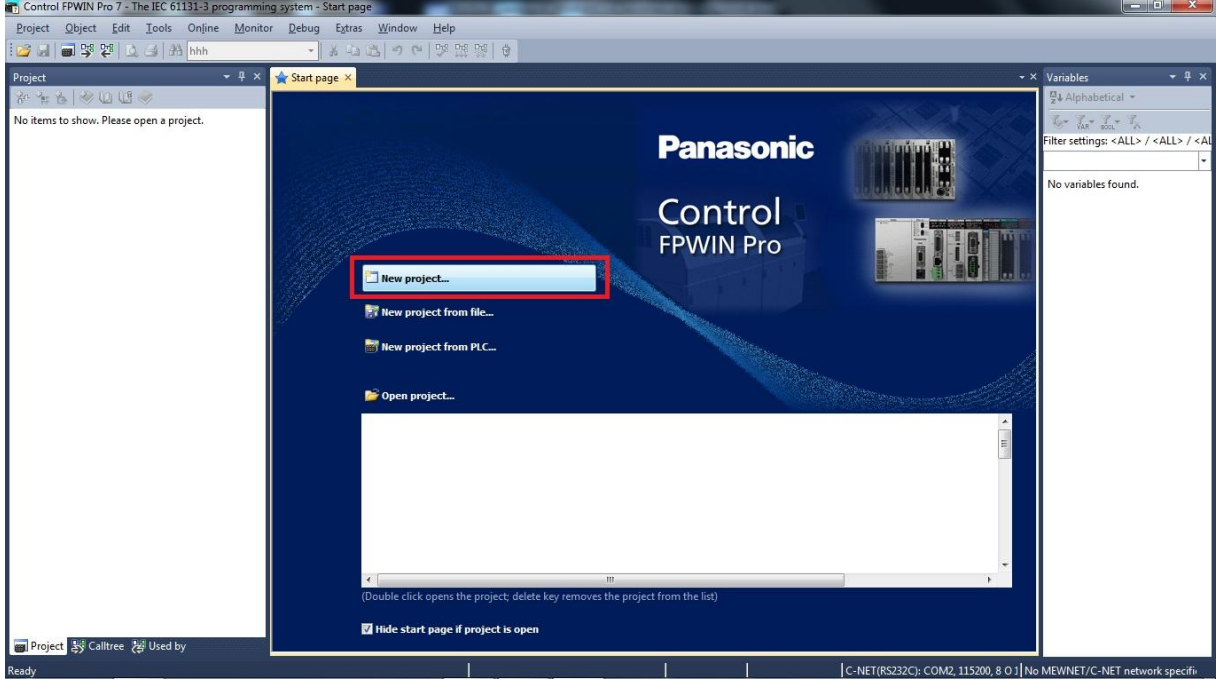


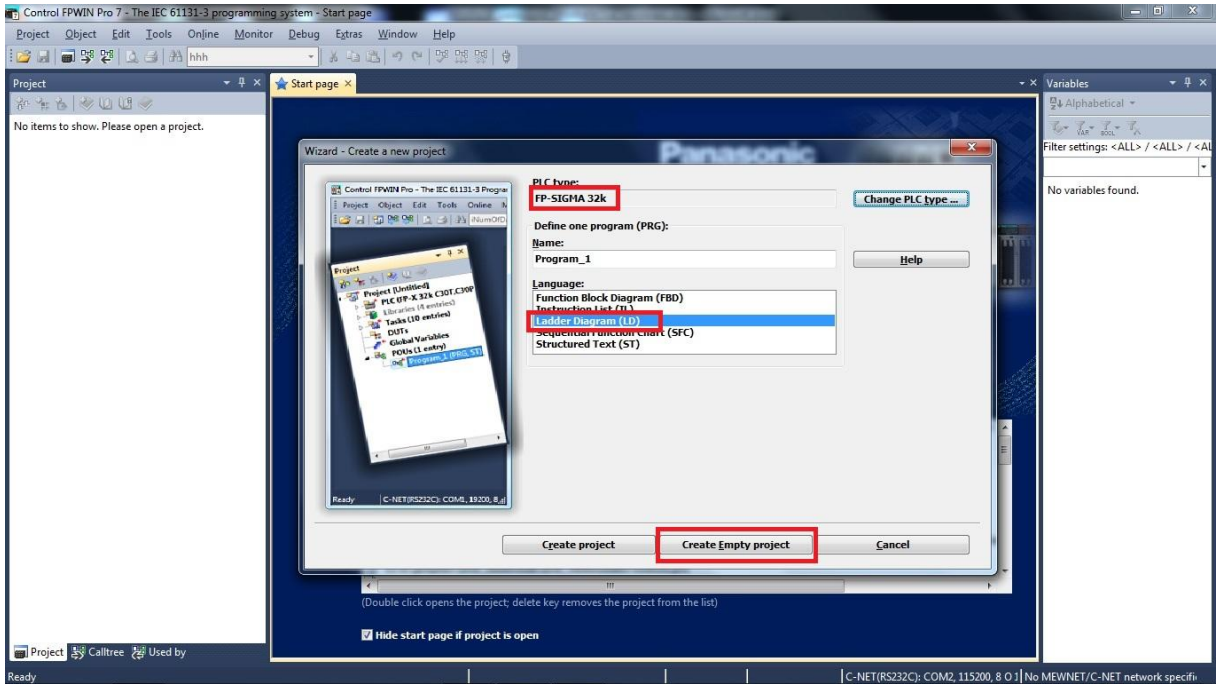
SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

FPWINGR YAZILIMININ FPWINPROYA ÇEVİRİLMESİ

Masaüstündeki FPWINPRO7 yazılımın kısa yoluna tıkladığında aşağıdaki ekran gelir. Buradan New Project butonuna basıyoruz.

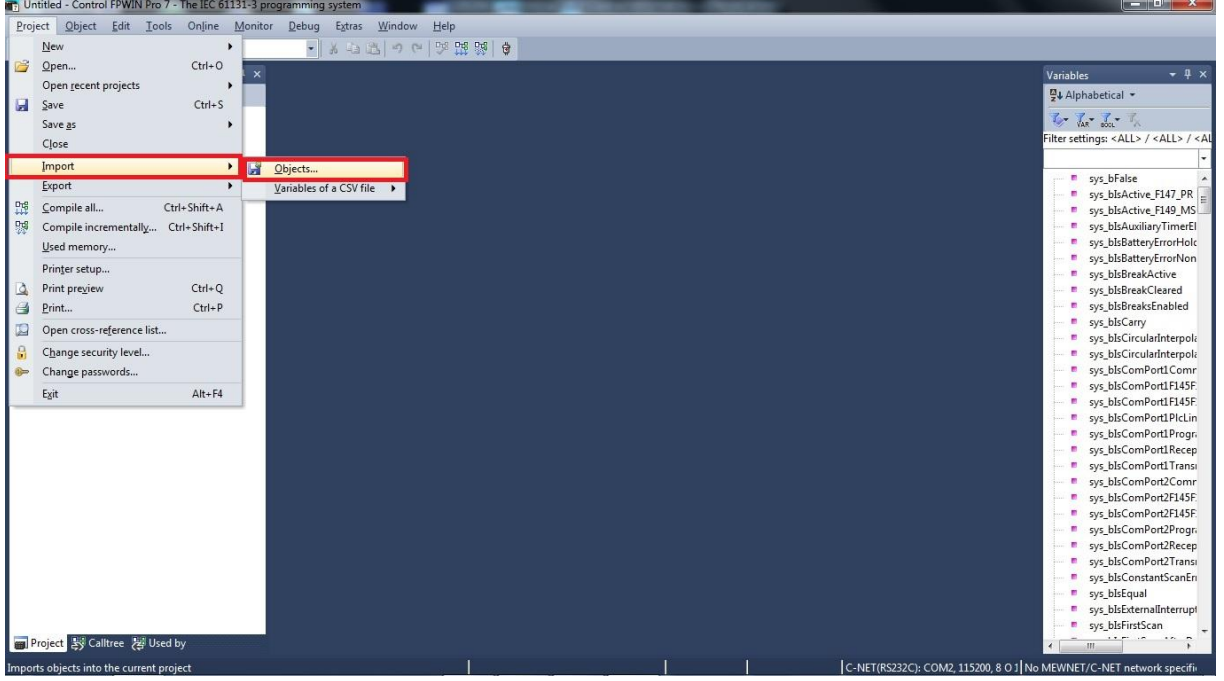


Aşağıdaki açılan ekrandan çevireceğimiz projede kullanılan CPU tipini, Ladder Diagram ve Create Empty Project seçeneklerini seçiyoruz.

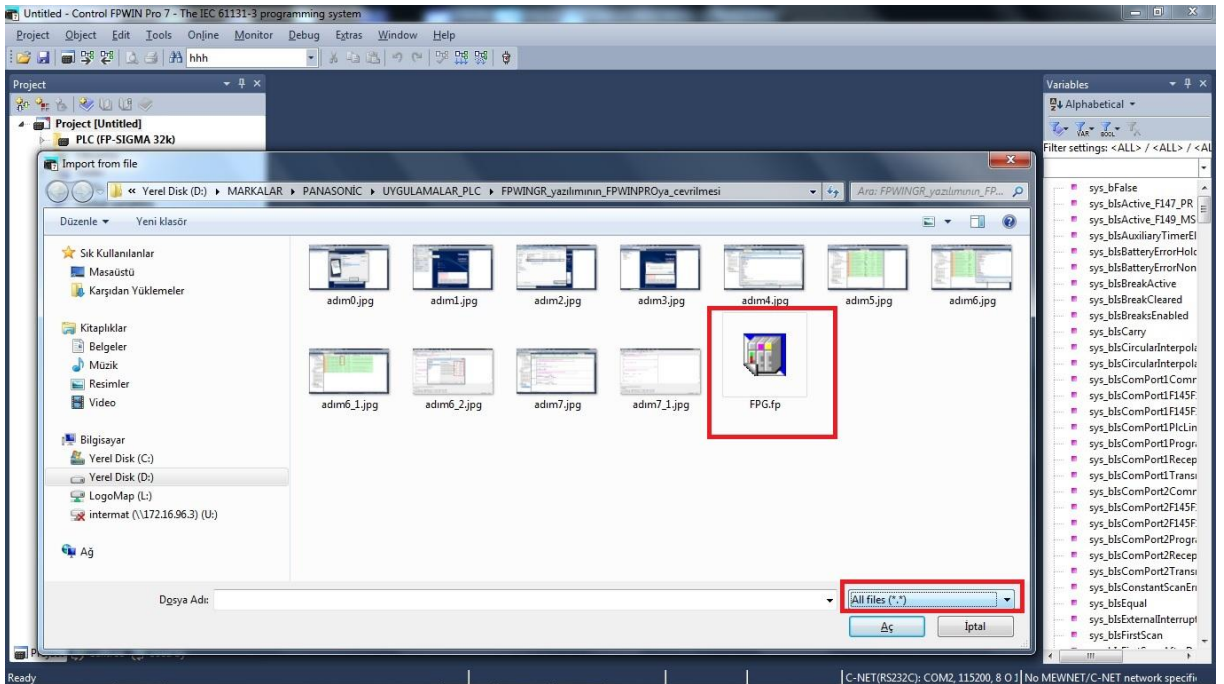


SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Aşağıdaki açılan ekrandan Project/Import/Objects kısmına girilir.

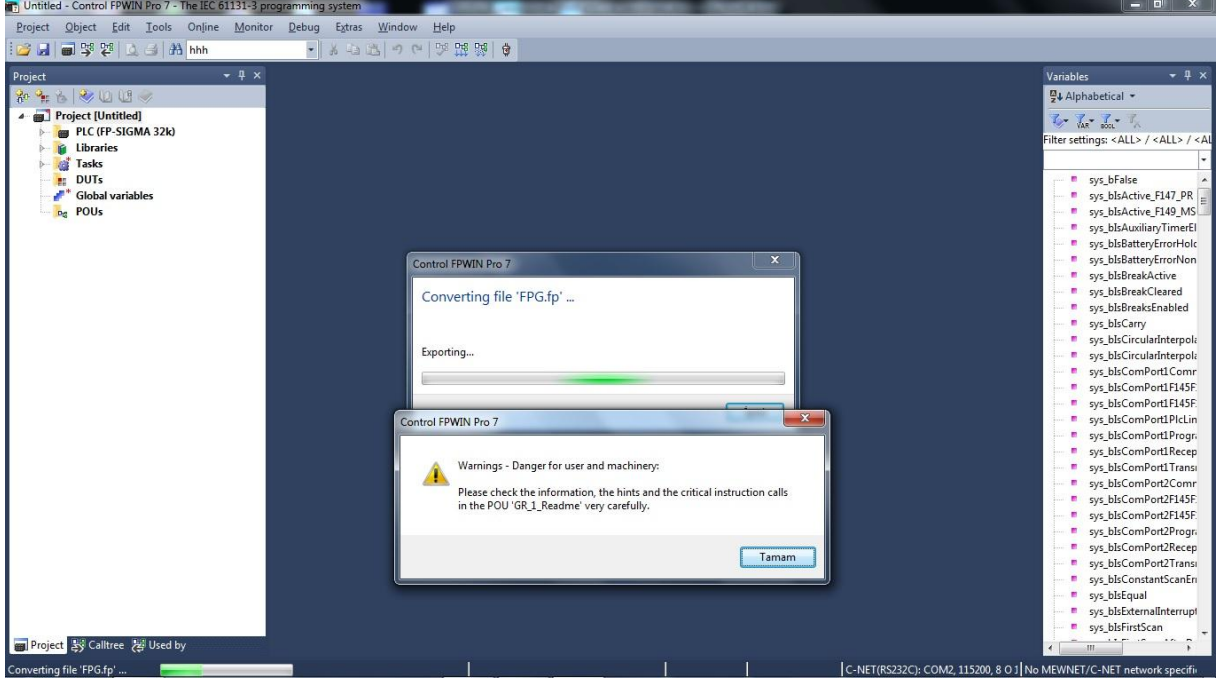


Aşağıdaki ekranın sağ alt tarafındaki dosya uzantısı kısmından (All Files) yani tüm dosyaları gösteriyoruz. Tüm dosyalar görülmeye başlandıktan sonra FPWINPRO ya dönüştüreceğimiz FPWINGR yazılımını seçiyoruz.



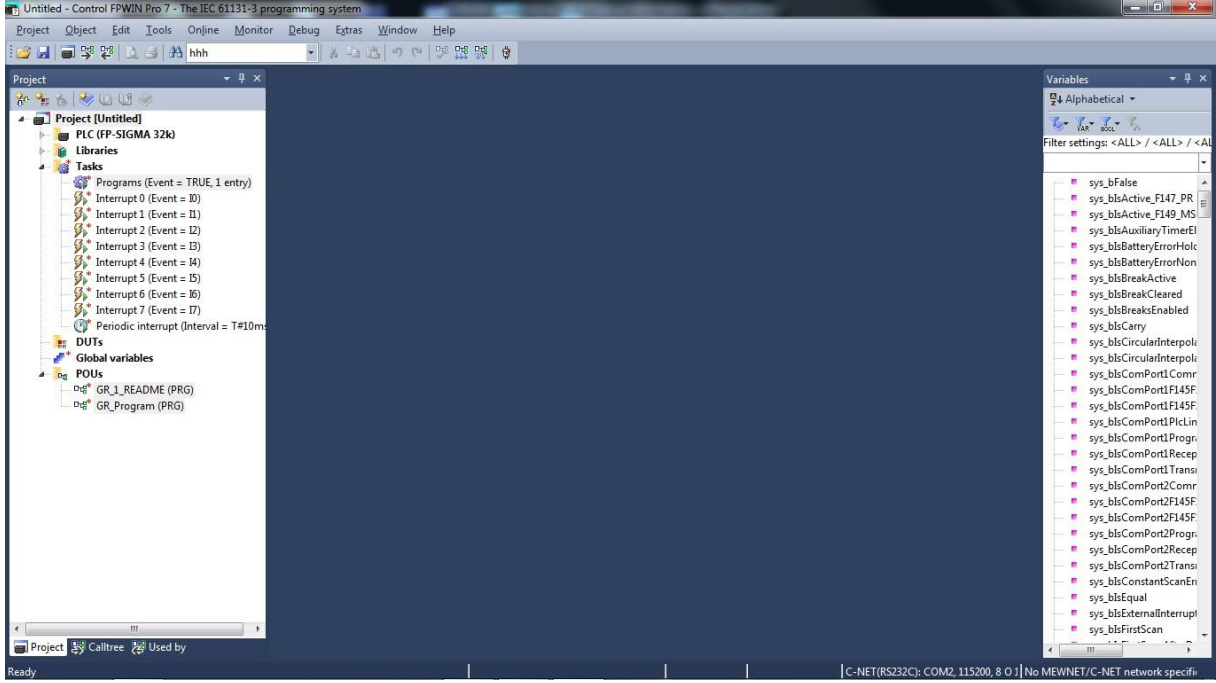
SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Dönüştürme esnasında aşağıdaki gibi standart bir uyarı mesajı gelir. Bu mesaja Tamam diyerek dönüştürme işleminin bitirilmesine izin veririz.

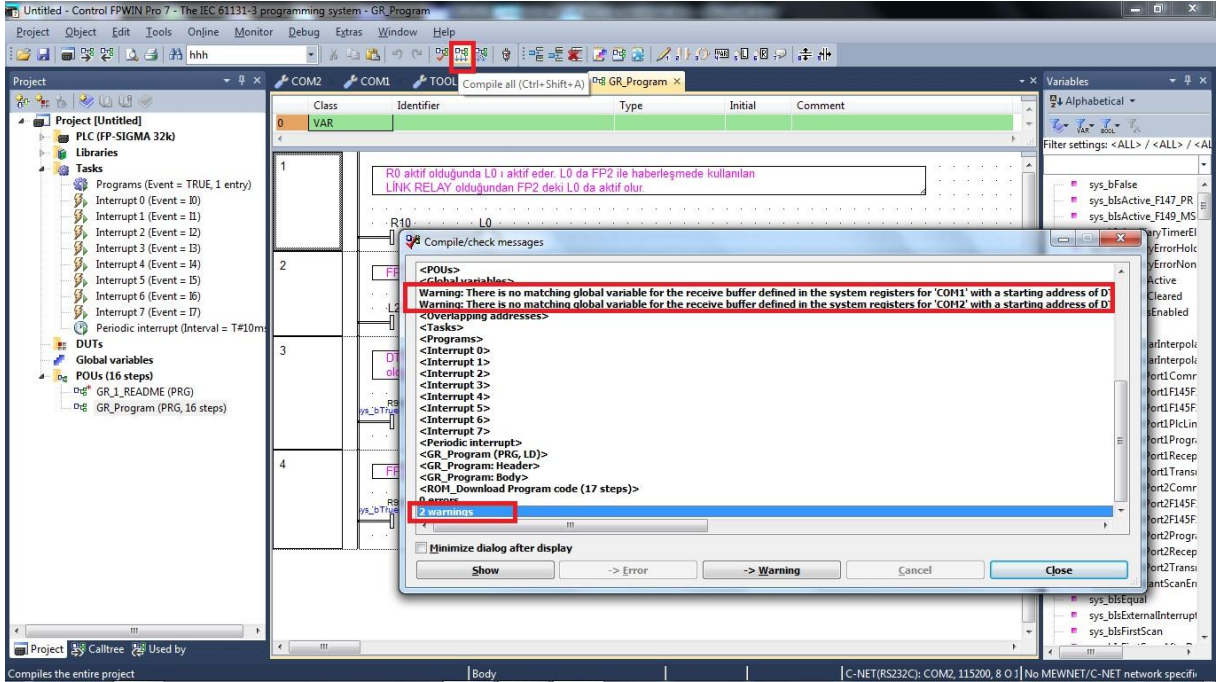


Yukarıdaki işlemin sonucunda aşağıda ekranın sol tarafında GR_Program adı altında projenin geldiğini görebiliriz.

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ



Projede herhangi bir hata olup olmadığı anlamak için Aşağıdaki ekranda gösterilen Compile All butonuna basılır.



Compile All işleminin sonunda verilen 2 adet Warning uyarısını kaldırmak için Com1 ve Com2 ayarları kısmına gidilir.

Aşağıda silik olarak görünen Receive buffer capacity değerini 0 (sıfır) yapmamız gerekmektedir. Bu kısmı aktif hale getirmek için 412 nolu Communication Mode kısmını değiştirmeli, 2048 değerini 0 yaptıktan sonra tekrar eski haline almalıyız. Aşağıdaki diğer resimlerde bunun nasıl yapıldığı gösterilmektedir.

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Table showing COM1 configuration parameters:

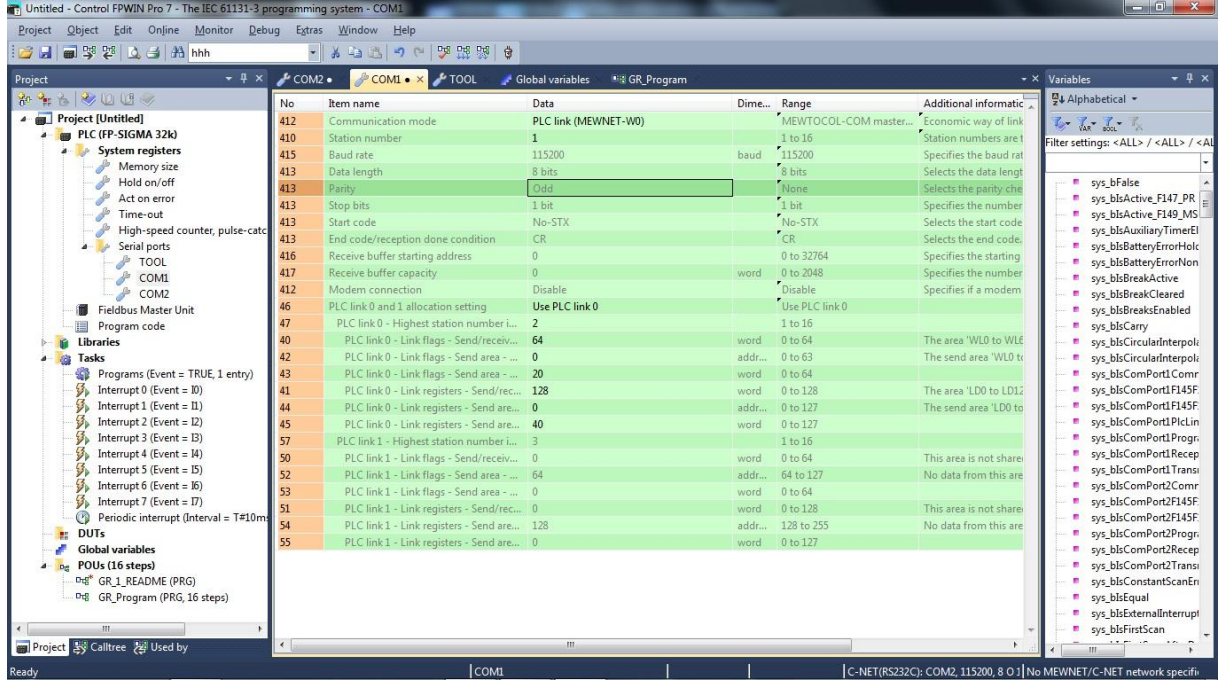
No	Item name	Data	Dime...	Range	Additional informati...
412	Communication mode	PLC link (MEWNET-W0)		MEWTOCOL-COM master...	Economic way of link
410	Station number	1		1 to 16	Station numbers are t
415	Baud rate	115200	baud	115200	Specifies the baud rat
413	Data length	8 bits		8 bits	Selects the data lengt
413	Parity	Odd		None	Selects the parity che
413	Stop bits	1 bit		1 bit	Specifies the number
413	Start code	No-STX		No-STX	Selects the start code
413	End code/reception done condition	CR		CR	Selects the end code.
416	Receive buffer starting address	0		0 to 32764	The data registers DTI
417	Receive buffer capacity	2048	word	0 to 2048	DT0 is used for the m
412	Modem connection	Disable		Disable	Specifies if a modem
46	PLC link 0 and 1 allocation setting	Use PLC link 0		Use PLC link 0	
47	PLC link 0 - Highest station number i...	2		1 to 16	
40	PLC link 0 - Link flags - Send/receiv...	64	word	0 to 64	The area 'W0 to W16
42	PLC link 0 - Link flags - Send area - ...	0	addr...	0 to 63	The send area 'W0 to
43	PLC link 0 - Link registers - Send area ...	20	word	0 to 64	
41	PLC link 0 - Link registers - Send/rec...	128	word	0 to 128	The area 'LD0 to LD12
44	PLC link 0 - Link registers - Send are...	0	addr...	0 to 127	The send area 'LD0 to
45	PLC link 0 - Link registers - Send are...	40	word	0 to 127	
57	PLC link 1 - Highest station number i...	3		1 to 16	
50	PLC link 1 - Link flags - Send/receiv...	0	word	0 to 64	This area is not share
52	PLC link 1 - Link flags - Send area - ...	64	addr...	64 to 127	No data from this are
53	PLC link 1 - Link flags - Send area - ...	0	word	0 to 64	
51	PLC link 1 - Link registers - Send/rec...	0	word	0 to 128	This area is not share
54	PLC link 1 - Link registers - Send are...	128	addr...	128 to 255	No data from this are
55	PLC link 1 - Link registers - Send are...	0	word	0 to 127	

Aşağıdaki ekranda 412 ve 417 nolu değiştirilmesi gereken alanlar gösterilmiştir.

Table showing COM2 configuration parameters:

No	Item name	Data	Dime...	Range	Additional informati...
412	Communication mode	Program controlled (General purpose)		MEWTOCOL-COM master...	The protocol is freely
410	Station number	1		1 to 99	Station numbers are t
415	Baud rate	115200	baud	115200	Specifies the baud rat
413	Data length	8 bits		8 bits	Selects the data lengt
413	Parity	Odd		None	Selects the parity che
413	Stop bits	1 bit		1 bit	Specifies the number
413	Start code	No-STX		No-STX	Selects the start code
413	End code/reception done condition	CR		CR	Selects the end code.
416	Receive buffer starting address	0		0 to 32764	Specifies the starting
417	Receive buffer capacity	0	word	0 to 2048	Specifies the number
412	Modem connection	Disable		Disable	Specifies if a modem
46	PLC link 0 and 1 allocation setting	Use PLC link 0		Use PLC link 0	
47	PLC link 0 - Highest station number i...	2		1 to 16	
40	PLC link 0 - Link flags - Send/receiv...	64	word	0 to 64	The area 'W0 to W16
42	PLC link 0 - Link flags - Send area - ...	0	addr...	0 to 63	The send area 'W0 to
43	PLC link 0 - Link registers - Send area ...	20	word	0 to 64	
41	PLC link 0 - Link registers - Send/rec...	128	word	0 to 128	The area 'LD0 to LD12
44	PLC link 0 - Link registers - Send are...	0	addr...	0 to 127	The send area 'LD0 to
45	PLC link 0 - Link registers - Send are...	40	word	0 to 127	
57	PLC link 1 - Highest station number i...	3		1 to 16	
50	PLC link 1 - Link flags - Send/receiv...	0	word	0 to 64	This area is not share
52	PLC link 1 - Link flags - Send area - ...	64	addr...	64 to 127	No data from this are
53	PLC link 1 - Link flags - Send area - ...	0	word	0 to 64	
51	PLC link 1 - Link registers - Send/rec...	0	word	0 to 128	This area is not share
54	PLC link 1 - Link registers - Send are...	128	addr...	128 to 255	No data from this are
55	PLC link 1 - Link registers - Send are...	0	word	0 to 127	

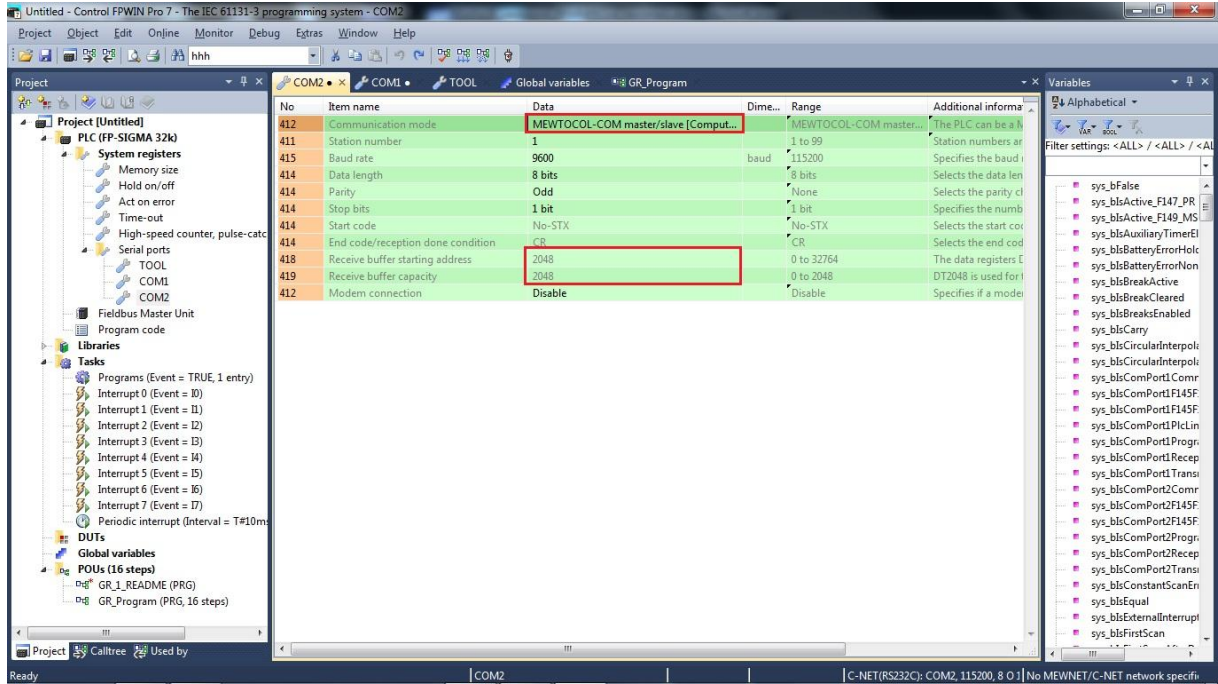
SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ



No	Item name	Data	Dime...	Range	Additional informati...
412	Communication mode	MEWTOCOL-COM master...		MEWTOCOL-COM master...	Economic way of link
410	Station number	1		1 to 16	Station numbers are t...
415	Baud rate	115200	baud	115200	Specifies the baud rat...
414	Data length	8 bits		8 bits	Selects the data lengt...
413	Parity	Odd		None	Selects the parity che...
413	Stop bits	1 bit		1 bit	Specifies the number
413	Start code	No-STX		No-STX	Selects the start code
413	End code/reception done condition	CR		CR	Selects the end code
416	Receive buffer starting address	0		0 to 32764	Specifies the starting
417	Receive buffer capacity	0	word	0 to 2048	Specifies the number
412	Modem connection	Disable		Disable	Specifies if a modem
46	PLC link 0 and 1 allocation setting	Use PLC link 0		Use PLC link 0	
47	PLC link 0 - Highest station number i...	2		1 to 16	
40	PLC link 0 - Link flags - Send/receiv...	64	word	0 to 64	The area 'WLD to WLE
42	PLC link 0 - Link flags - Send area - ...	0	addr...	0 to 63	The send area 'WLD to
43	PLC link 0 - Link registers - Send area ...	20	word	0 to 64	
41	PLC link 0 - Link registers - Send/rec...	128	word	0 to 128	The area 'LD0 to LD12
44	PLC link 0 - Link registers - Send are...	0	addr...	0 to 127	The send area 'LD0 to
45	PLC link 0 - Link registers - Send are...	40	word	0 to 127	
57	PLC link 1 - Highest station number i...	3		1 to 16	
50	PLC link 1 - Link flags - Send/receiv...	0	word	0 to 64	This area is not share
52	PLC link 1 - Link flags - Send area - ...	64	addr...	64 to 127	No data from this are
53	PLC link 1 - Link flags - Send area - ...	0	word	0 to 64	
51	PLC link 1 - Link registers - Send/rec...	0	word	0 to 128	This area is not share
54	PLC link 1 - Link registers - Send are...	128	addr...	128 to 255	No data from this are
55	PLC link 1 - Link registers - Send are...	0	word	0 to 127	

Yukarıdaki resimlerde gösterildiği gibi 412 nolu Communication Mode kısmı, Program Controlled(General Purpose) e alındıktan sonra 2048 değeri değiştirilebilir bir duruma gelmiş, 0 yapıldıktan sonra da tekrar 412 nolu parametre eski haline alınmıştır.

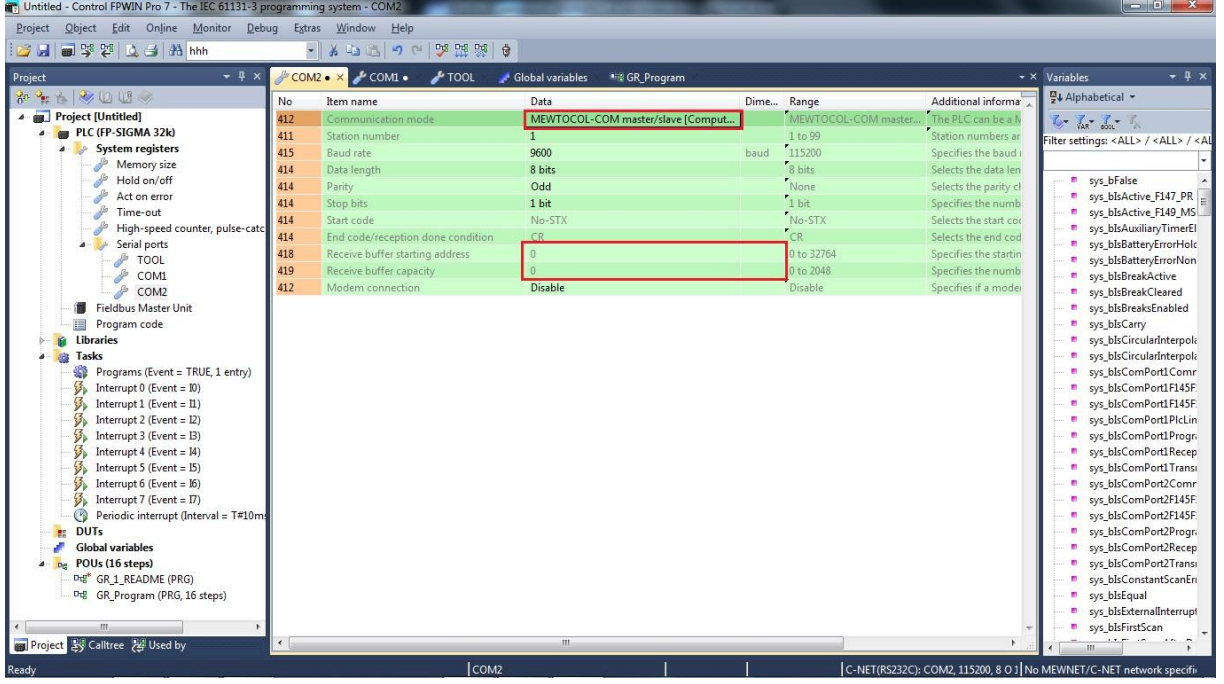
Com2 portu için içinde Warning veren alanlar Com1 portunda yapılan işlem tekrarlanarak düzeltilir.



No	Item name	Data	Dime...	Range	Additional informa...
412	Communication mode	MEWTOCOL-COM master/slave [Comput...		MEWTOCOL-COM master...	The PLC can be a m...
411	Station number	1		1 to 99	Station numbers ar
415	Baud rate	9600	baud	115200	Specifies the baud r...
414	Data length	8 bits		8 bits	Selects the data len
414	Parity	Odd		None	Selects the parity cl
414	Stop bits	1 bit		1 bit	Specifies the numb
414	Start code	No-STX		No-STX	Selects the start co
414	End code/reception done condition	CR		CR	Selects the end cod
418	Receive buffer starting address	2048		0 to 32764	The data registers l
419	Receive buffer capacity	2048		0 to 2048	DT2048 is used for)
412	Modem connection	Disable		Disable	Specifies if a mode

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

Yukarıdaki resimde gösterildiği gibi 412 nolu Communication Mode kısmı, Program Controlled(General Purpose) e alındıktan sonra 418 ve 419 kısımlarındaki 2048 değeri değiştirilebilir bir duruma gelmiş, bu değerler 0 yapıldıktan sonra da tekrar 412 nolu parametre eski haline alınmıştır.



PLC link verilerinin bir alttaki resim ile aynı olduğunu görüyoruz.

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

No	Item name	Data	Dimen...	Range	Additional informati...
412	Communication mode	PLC link (MEWNET-W0)		MEWTOCOL-COM master...	Economic way of link
410	Station number	1		1 to 16	Station numbers are t
415	Baud rate	115200	baud	115200	Specifies the baud rat
413	Data length	8 bits		8 bits	Selects the data lengt
413	Parity	Odd		None	Selects the parity che
413	Stop bits	1 bit		1 bit	Specifies the number
413	Start code	No-STX		No-STX	Selects the start code
413	End code/reception done condition	CR		CR	Selects the end code
416	Receive buffer starting address	0		0 to 32764	Specifies the starting
417	Receive buffer capacity	0	word	0 to 2048	Specifies the number
412	Modem connection	Disable		Disable	Specifies if a modem
46	PLC link 0 and 1 allocation setting	Use PLC link 0		Use PLC link 0	
47	PLC link 0 - Highest station number i...	2		1 to 16	
40	PLC link 0 - Link flags - Send/receiv...	64	word	0 to 64	The area 'WLD to WLE
42	PLC link 0 - Link flags - Send area - ...	0	addr...	0 to 63	The send area 'WLD to
43	PLC link 0 - Link flags - Send area - ...	20	word	0 to 64	
41	PLC link 0 - Link registers - Send/rec...	128	word	0 to 128	The area 'LD0 to LD12
44	PLC link 0 - Link registers - Send are...	0	addr...	0 to 127	The send area 'LD0 to
45	PLC link 0 - Link registers - Send are...	40	word	0 to 127	
57	PLC link 1 - Highest station number i...	3		1 to 16	
50	PLC link 1 - Link flags - Send/receiv...	0	word	0 to 64	This area is not share
52	PLC link 1 - Link flags - Send area - ...	64	addr...	64 to 127	No data from this are
53	PLC link 1 - Link flags - Send area - ...	0	word	0 to 64	
51	PLC link 1 - Link registers - Send/rec...	0	word	0 to 128	This area is not share
54	PLC link 1 - Link registers - Send are...	128	addr...	128 to 255	No data from this are
55	PLC link 1 - Link registers - Send are...	0	word	0 to 127	

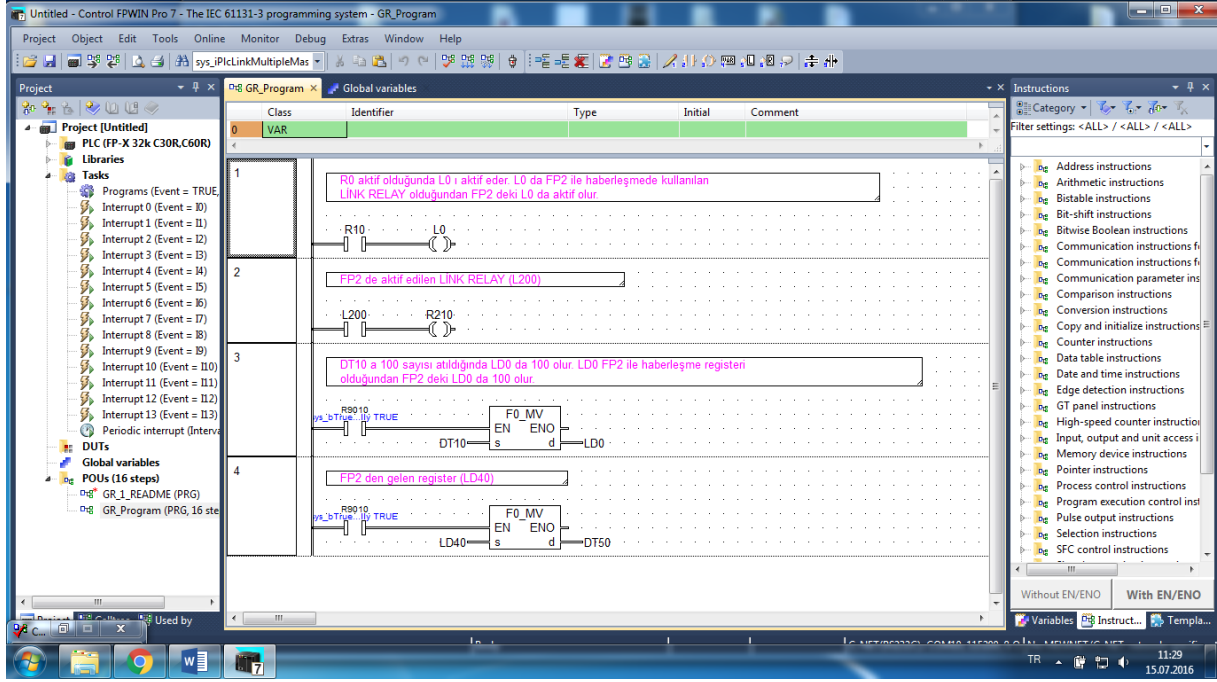
Yukarıdaki FPWINPRO yazılımına çevrilen projenin PLC link ayarlarının aynı olduğunu NO kısmından numaralarına bakarak karşılaştırabilirsiniz.

PLC Configuration - FPG.fp

No. 40 Size of link relays	64 (0-64 words)
No. 41 Size of link data registers	128 (0-128 words)
No. 42 Send area starting word address of link relay	0 (0-63)
No. 43 Size of link relays used for send area	20 (0-64 words)
No. 44 Send area starting address of link data register	0 (0-127)
No. 45 Size of link data registers used for send area	40 (0-127 words)
No. 46 PC link 0 and 1 allocation setting	<input checked="" type="radio"/> Normal <input type="radio"/> Reverse
No. 47 MEWNET-W0 PC Link Max Unit No.	2 (1-16)

SAVİOR OTOMASYON TEKNİK DESTEK BİRİMİ

FPWINPRO yazılımında a Sol alt bölümde POU's (16 steps) adının altında bulunan GR_1_README(PRG) kaldırabiliriz. Herhangi bir değişiklik meydana gelmemektedir. Bu kısımda çevirisi yapılan FPWINGR PLC yazılımında kullanılan değişkenler hakkında açıklamalar bulunmaktadır.



Çevirdiğimiz FPWINGR yazılımı

