

TIA PORTAL V.11 KULLANIMI

TIA Siemens Totally Integrated Automation
PORTAL

Start

- Devices & networks
- PLC programming
- Visualization
- Online & Diagnostics

- Open existing project
- Create new project
- Migrate project
- Close project
- Welcome Tour
- First steps
- Installed software
- Help
- User interface language

Open existing project _____

Recently used

Project	Path	Last change

BAYRAM ÖZÜTÜRK
ŞUBAT 2013
ANKARA DİK MEN E.M.L.

Project view

Windows taskbar: 06:58 02.02.2013

TIA PORTAL V.11 KULLANIMI

TIA PORTAL V.11 PROGRAMINI İLK AÇTIĞIMIZDA KARŞIMIZA GELEN EKCRAN BU ŞEKİLDEDİR. ŞİMDİ BURADAKİ BÖLÜMLERE BİRİZ DAHA YAKINDAN BAKALIM....

TIA PORTAL V.11 KULLANIMI



Totally Integrated Automation

PORTAL

SAĞ ÜST BÖLÜMDE PROGRAMIN

ADI YAZMAKTADIR:

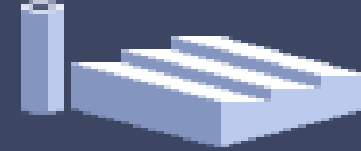
Totally Integrated Automation / PORTAL
TAMAMEN ENTEGRE OTOMASYON / KAPI

TIA PORTAL V.11 KULLANIMI

TIA Siemens

SOL ÜST BÖLÜM

Start **BAŞLANGIÇ**



Devices &
networks

CİHAZLAR & AĞLAR

PLC
programming

PLC PROGRAMLAMA

Visualization

GÖRÜNTÜLEME

Online &
Diagnostics

**ÇEVİRİMİÇİ &
TANILAMA**

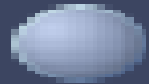
TIA PORTAL V.11 KULLANIMI

ÜST ORTA BÖLÜM



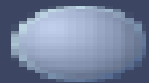
Open existing project

PROJEYİ AÇ



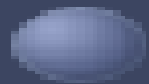
Create new project

PROJE OLUŞTUR



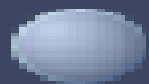
Migrate project

PROJEYİ TAŞI



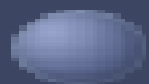
Close project

PROJEYİ KAPAT



Welcome Tour

KARŞILAMA TURU



First steps

İLK ADIMLAR

TIA PORTAL V.11 KULLANIMI

SOL ALT BÖLÜM

YÜKLÜ YAZILIM  Installed software

YARDIM  Help

KULLANICI ARABİRİMİ DİLİ  User interface language

► Project view **PROJE GÖRÜNÜMÜ**

TIA PORTAL V.11 KULLANIMI

The screenshot displays the Siemens TIA Portal V.11 software interface. The top bar shows the Siemens logo and the text 'Totally Integrated Automation PORTAL'. The left sidebar contains a 'Start' menu with icons for 'Devices & networks', 'PLC programming', 'Visualization', and 'Online & Diagnostics'. The main area is titled 'Create new project' and features a list of options: 'Open existing project', 'Create new project' (highlighted with a yellow arrow), 'Migrate project', 'Close project', 'Welcome Tour', 'First steps', 'Installed software', 'Help', and 'User interface language'. The 'Create new project' form includes fields for 'Project name' (containing 'Project1'), 'Path' (containing 'C:\Users\BAY\Documents\Automation'), 'Author' (containing 'BAY'), and 'Comment'. A 'Create' button is located at the bottom right of the form. A large black-bordered box with the text 'PROJE OLUŞTUR' is overlaid on the bottom right of the interface. The Windows taskbar at the bottom shows the Start button, Internet Explorer, File Explorer, TIA V11, and Word, along with system icons and the date/time '06:59 02.02.2013'.

TIA PORTAL V.11 KULLANIMI

Create new project **YENİ PROJE OLUŐTUR**

Project name: **PROJE ADI**

Path: **PROJE YOLU/ADRESİ** ...

Author: **PROJEYİ HAZIRLAYAN / BAY: BAYRAM**

Comment: **PROJE HAKKINDA AÇIKLAMALAR / YORUMLAR**

Create

OLUŐTUR

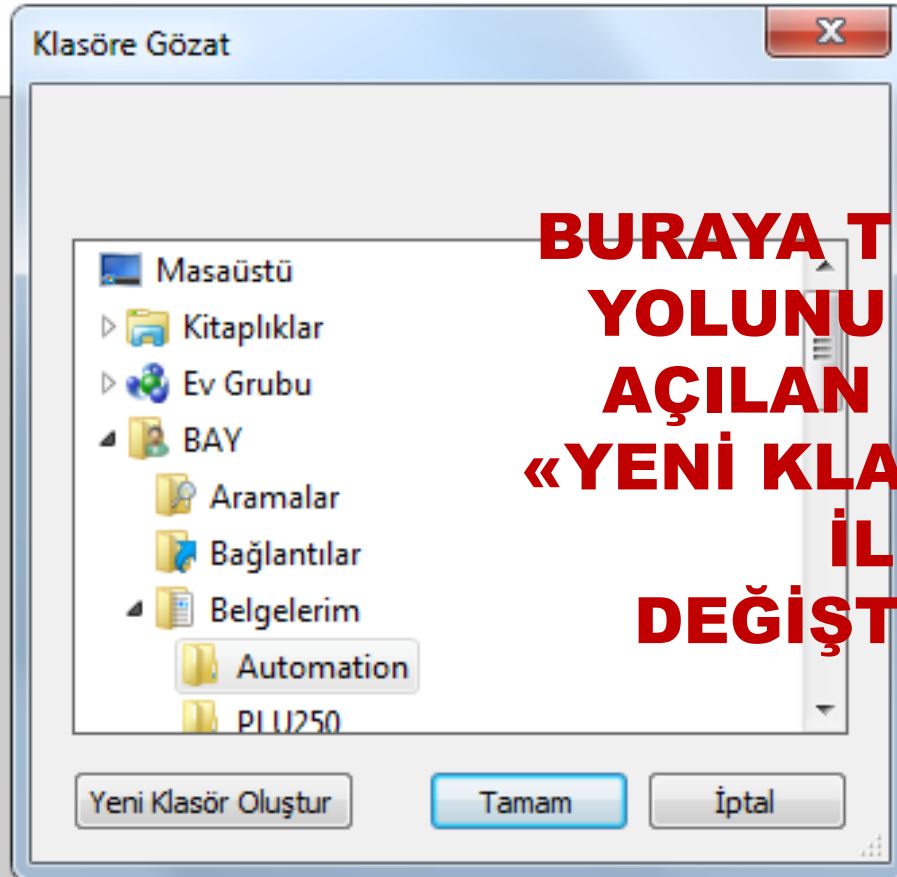
TIA PORTAL V.11 KULLANIMI

Project name: Project1

Path: C:\Users\BAY\Documents\Automation

Author: BAY

Comment:



BURAYA TIKLAYIP, PROJE YOLUNU GÖREBİLİRİZ, AÇILAN PENCEREDEN «YENİ KLASÖR OLUŞTUR» İLE YOLU DEĞİŞTİREBİLİRİZ...

Create

TIA PORTAL V.11 KULLANIMI

Create new project

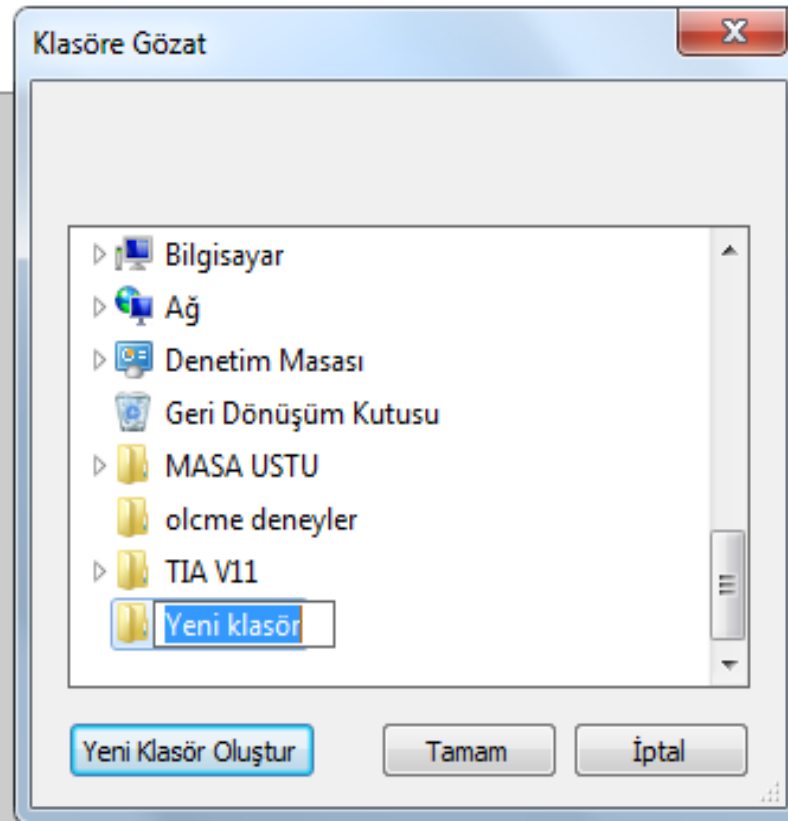
Project name:

Path:

Author:

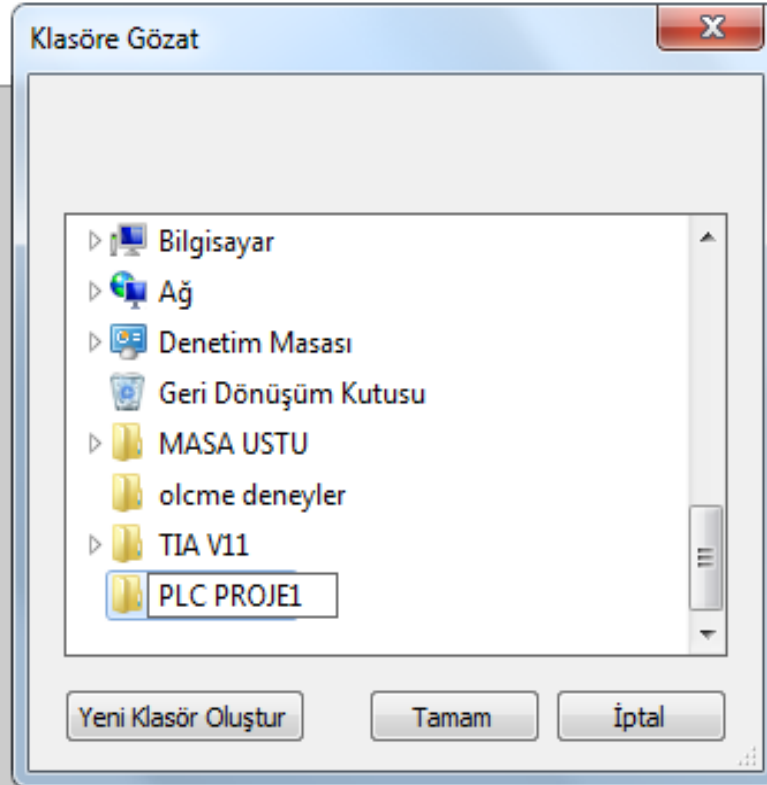
Comment:

Create



TIA PORTAL V.11 KULLANIMI

Create new project
Project name: Project1
Path: C:\Users\BAY\Documents\Automation
Author: BAY
Comment:
«YENİ PROJEMİZE «PLC PROJE1» ADINI VERDİK VE MASA ÜSTÜNÜ SEÇTİK. «TAMAM» DİYEREK PENCEREYİ KAPATTIK...



Create

TIA PORTAL V.11 KULLANIMI

Create new project _____

Project name:

Path: ...

Author:

Comment:

**PROJE DOSYALARIMIZIN KAYDEDİLECEĞİ
YERİ VE KLASÖR ADINI SEÇTİK,
AÇIKLAMAMIZI YAZDIK.
ARTIK «Create» (OLUŞTUR) DİYORUZ.**

Create

TIA PORTAL V.11 KULLANIMI

Siemens Totally Integrated Automation PORTAL

Start

Devices & networks

PLC programming

Visualization

Online & Diagnostics

Open existing project

Create new project

Migrate project

Close project

Welcome Tour

First steps

Installed software

Help

User interface language

Create new project

Project name: Project1

Path: C:\Users\BAY\Desktop\PLC PROJE1

Author: BAYRAM OZUTURK

Comment: Bu benim ilk PLC projem...

Create

Creating project...

Creating project...

The project C:\Users\BAY\Desktop\PLC PROJE1\Project1\Project1.ap11 is being created. Please wait.

Cancel

Project view

TR 07:02 02.02.2013

İLK PROJEMİZ OLUŞTURULUYOR...

TIA PORTAL V.11 KULLANIMI

Siemens - Project1

Totally Integrated Automation
PORTAL

Start

Devices & networks

PLC programming

Visualization

Online & Diagnostics

Open existing project

Create new project

Migrate project

Close project

Welcome Tour

First steps

Installed software

Help

User interface language

First steps

Project: "Project1" was opened successfully. Please select the next step:

Start

Devices & networks

Configure a device

PLC programming

Write PLC program

Visualization

Configure an HMI screen

Project view

Open the project view

Project view

Opened project: C:\Users\BAY\Desktop\PLC PROJE1\Project1\Project1

07:03
02.02.2013

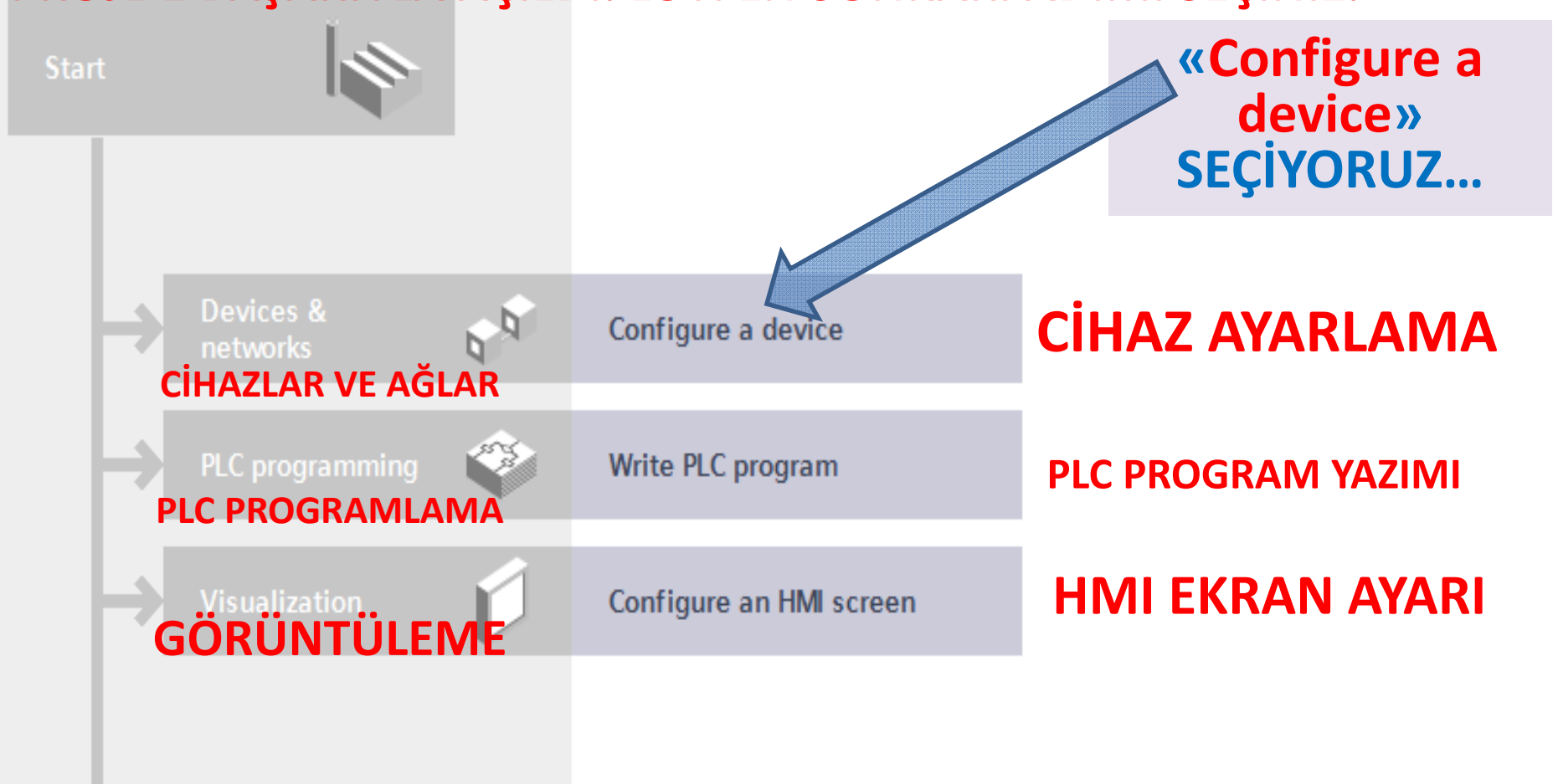
**İLK CİHAZ AYARLAMALARINI
YAPACAĞIMIZ BÖLÜM AÇILDI.
BU BÖLÜME DE YAKINDAN
BAKALIM....**

TIA PORTAL V.11 KULLANIMI

First steps **İLK ADIMLAR**

Project: "Project1" was opened successfully. Please select the next step:

PROJE 1 BAŞARIYLA AÇILDI. LÜTFEN SONRAKİ ADIMI SEÇİNİZ.



TIA PORTAL V.11 KULLANIMI

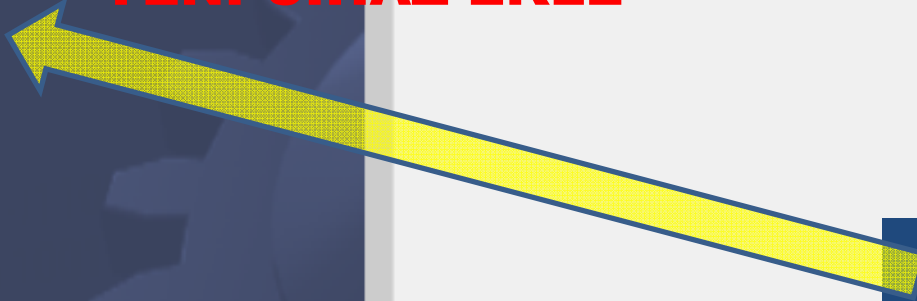
Show all devices _____

Show all devices

TÜM CİHAZLARI GÖSTER

Add new device

YENİ CİHAZ EKLE



**«Add new
device»
SEÇİYORUZ...**

Configure networks

AĞ BAĞLANTISINI AYARLA

TIA PORTAL V.11 KULLANIMI

Add new device

Device name:

ÖNCE «PLC» SEKMESİNE TIKLIYORUZ...

Show all devices

Add new device

Configure networks

PLC

HMI

Device:

Order no.:

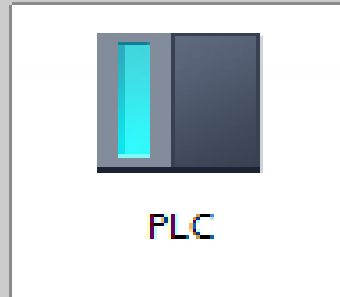
Version:

Description:

- PLC
 - SIMATIC S7-1200
 - CPU
 - CPU 1211C AC/DC/Rly
 - CPU 1211C DC/DC/DC
 - CPU 1211C DC/DC/Rly
 - CPU 1212C AC/DC/Rly
 - CPU 1212C DC/DC/DC
 - CPU 1212C DC/DC/Rly
 - CPU 1214C AC/DC/Rly
 - CPU 1214C DC/DC/DC
 - CPU 1214C DC/DC/Rly
 - Unspecified CPU 1200

TIA PORTAL V.11 KULLANIMI

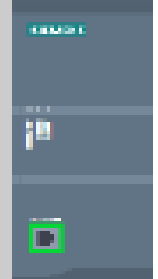
Add new device



- PLC
 - SIMATIC S7-1200
 - CPU
 - CPU 1211C AC/DC/Rly
 - CPU 1211C DC/DC/DC
 - CPU 1211C DC/DC/Rly
 - CPU 1212C AC/DC/Rly
 - CPU 1212C DC/DC/DC
 - CPU 1212C DC/DC/Rly
 - CPU 1214C AC/DC/Rly
 - CPU 1214C DC/DC/DC
 - CPU 1214C DC/DC/Rly
 - Unspecified CPU 1200

6ES7 214-1AE30-0XB0

Device:



CPU 12

Order no.:

6ES7 2

Version:

V2.2

Description:

Work memory 50 KB; 2 DI14 x 24VDC SINK/SOURCE; 2 AO12 on board; 6 high-speed outputs on board; signal board I/O; up to 3 COM serial communication;

SONRA ELİMİZDE BULUNAN «PLC'NİN CPU» SEÇİMİNİ YAPIYORUZ.

TIA PORTAL V.11 KULLANIMI

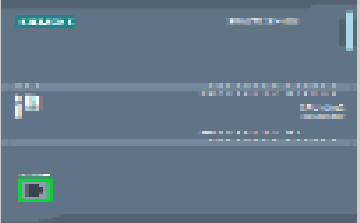
C

SIMATIC S7-1200

CPU

- ▶ CPU 1211C AC/DC/Rly
- ▶ CPU 1211C DC/DC/DC
- ▶ CPU 1211C DC/DC/Rly
- ▶ CPU 1212C AC/DC/Rly
- ▶ CPU 1212C DC/DC/DC
- ▶ CPU 1212C DC/DC/Rly
- ▶ CPU 1214C AC/DC/Rly
- ▶ CPU 1214C DC/DC/DC
- ▶ CPU 1214C DC/DC/Rly

Device:



Order no.:

Version:

Description:

**PLC ÖZELLİKLERİ BURADA
VERİLMEKTEDİR.**

**BURADA VERİYON AYARINI MUTLAKA
DOĞRU SEÇMEMİZ GEREKİYOR.
DAHA ÖNCE «S7 1200 TOOL»
PROGRAMINDA NOT ALDIĞIMIZ
VERSİYON NUMARASI İLE BURADA
SEÇTİĞİMİZ AYNI OLMALIDIR.**

ory 50 KB; 24VDC power supply with
DC SINK/SOURCE, DQ10 x 24VDC and
rd; 6 high-speed counters and 2 pulse
board; signal board expands on-
up to 3 communications modules for
munication; up to 8 signal modules
ansion; 0.1 ms/1000 instructions;
interface for programming, HMI and
communication

TIA PORTAL V.11 KULLANIMI

C

SIMATIC S7-1200

- CPU
 - CPU 1211C AC/DC/Rly
 - CPU 1211C DC/DC/DC
 - CPU 1211C DC/DC/Rly
 - CPU 1212C AC/DC/Rly
 - CPU 1212C DC/DC/DC
 - CPU 1212C DC/DC/Rly
 - CPU 1214C AC/DC/Rly
 - CPU 1214C DC/DC/DC
 - 6ES7 214-1AE30-0XB0
 - CPU 1214C DC/DC/Rly
 - Unspecified CPU 1200

Device:



Order no.: 6ES7 214-1AE30-0XB0

Version: V2.2

Description:

Work memory 50 KB; 24VDC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x 24VDC and AI2 on board; 6 high-speed counters and 2 pulse outputs on board; signal board expands on- to 3 communication modules for communication; up to 8 signal modules on; 0.1 ms/1000 instructions; interface for programming, HMI and communication

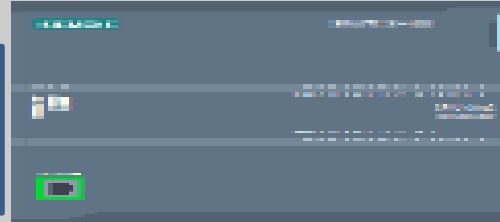
SEÇİMLERİMİZ BİTTİKTEN SONRA, SAĞ ALTTA BULUNAN «Add» (EKLE) SEÇENEĞİ İLE PROJEMİZİ AÇIYORUZ.

BUNLAR NEDİR?

TIA PORTAL V.11 KULLANIMI

Device:

**ELİMİZDEKİ
CİHAZ**



CPU 1214C DC/DC/DC

Order no.:

6ES7 214-1AE30-0XB0

SİPARİŞ NO

Version:

V2.2

VERSİYON NO

Description:

ÖZELLİKLER / TANIMLAMA

Work memory 50 KB; 24VDC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x 24VDC and AI2 on board; 6 high-speed counters and 2 pulse outputs on board; signal board expands on-board I/O; up to 3 communications modules for serial communication; up to 8 signal modules for I/O expansion; 0.1 ms/1000 instructions; PROFINET interface for programming, HMI and PLC to PLC communication

TIA PORTAL V.11 KULLANIMI

Description:

ÖZELLİKLER / TANIMLAMA

Work memory 50 KB; 24VDC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x 24VDC and AI2 on board; 6 high-speed counters and 2 pulse outputs on board; signal board expands on-board I/O; up to 3 communications modules for serial communication; up to 8 signal modules for I/O expansion; 0.1 ms/1000 instructions; PROFINET interface for programming, HMI and PLC to PLC communication

50 KB PROGRAM BELLEĞİ, 24 V DC BESLEME, 14 DİJİTAL GİRİŞ, 10 DİJİTAL ÇIKIŞ, GİRİŞ-ÇIKIŞLAR 24 V. , SERİ HABERLEŞME İÇİN 3 İLETİŞİM MODÜLÜ(SOL TARAF), I/Q GİRİŞ-ÇIKIŞ GENİŞLEME İÇİN 8 MODÜL (SAĞ TARAF), 6 YÜKSEK HIZLI SAYICI VE 2 PALS ÇIKIŞI, HMI VE DİĞER PLC'LERİN BU PLC İLE HABERLEŞMESİ İÇİN PROFİNET ARABİRİMİ...



TIA PORTAL V.11 KULLANIMI

The image shows the Siemens TIA Portal V.11 software interface. The main workspace displays a ladder logic diagram for a PLC_1 [CPU 1214C DC/DC/DC]. The interface includes a Project tree on the left, a Hardware catalog on the right, and a main workspace with various views (Topology view, Network view, Device view). The text "YENİ AÇILAN SAYFADA KARŞIMIZA ÇIKAN MENÜLER VE İLK PROJENİN NASIL YAZILACAĞI BAŞKA BİR SUNUDA AÇIKLANACAKTIR." is overlaid in large red letters across the center of the screen. The bottom status bar shows "Project Project2 opened." and the system tray displays the date "04.02.2013" and time "04:46".

**YENİ AÇILAN SAYFADA
KARŞIMIZA ÇIKAN MENÜLER VE
İLK PROJENİN NASIL YAZILACAĞI
BAŞKA BİR SUNUDA
AÇIKLANACAKTIR.**

TIA PORTAL V.11 KULLANIMI

ŞİMDİYE KADAR
YAPTIĞIMIZ SADECE
AYARLAMALAR/SEÇİMLERDİR.
BU SEÇİMLERİ HER PROJE
İÇİN TEKRAR YAPMAMIZ
GEREKMEKTEDİR.

BAYRAM ÖZÜTÜRK
ŞUBAT 2013
ANKARA DİKMEN E.M.L.