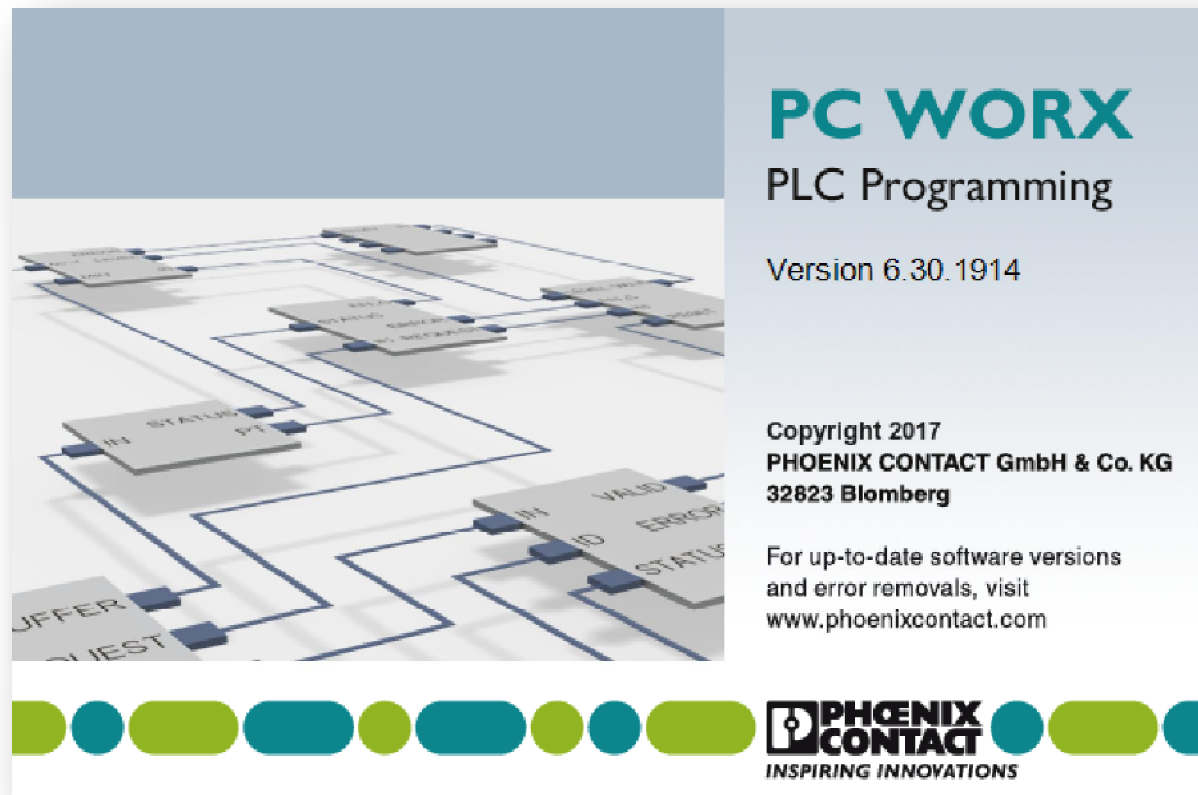


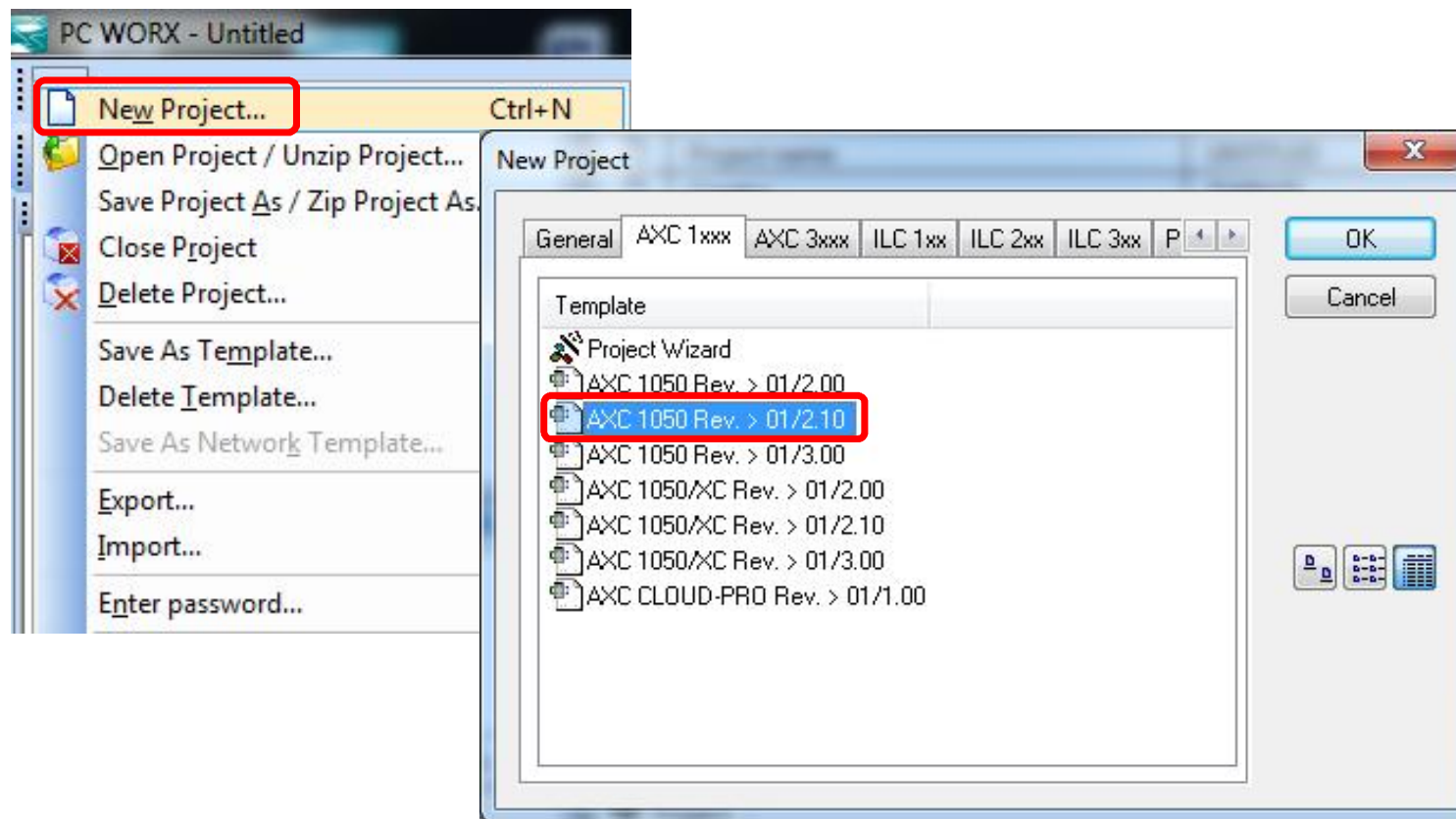
Guia de Configuração CLP AXC 1050 mestre PROFINET e Remota IO PN INLINE



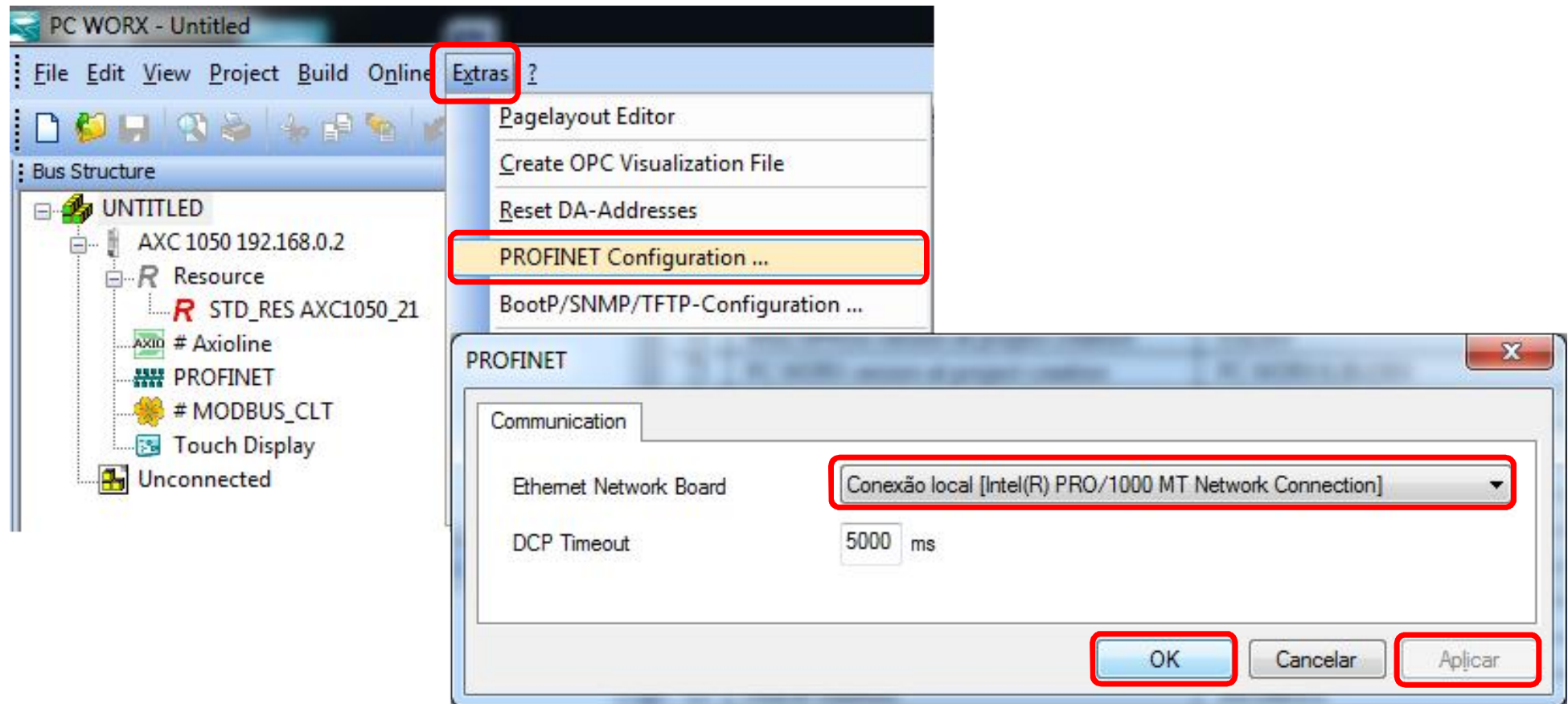
Para programar o CLP e configurar a rede PROFINET e seus dispositivos, usar o software PCWORX



Crie um novo projeto escolhendo o modelo do CLP com sua respectiva versão de hardware/firmware.



Certifique-se que a comunicação PROFINET está ativa.



Configuração da faixa de IP do seu projeto.

The screenshot displays the PC WORX software interface. The 'Device Details' window is open, showing a table of project settings. The 'First IP Address' is set to 192.168.1.1, the 'Last IP-Address' is 192.168.1.254, and the 'Subnetmask' is 255.255.255.0. These three values are highlighted with a red box. The 'Bus Structure' window on the left shows a tree view of the project components, including 'AXC1050 192.168.0.2', 'Resource', 'STD_RES AXC1050_21', 'Axioline', 'PROFINET', 'MODBUS_CLT', 'Touch Display', and 'Unconnected'. The 'Device Catalog' window shows 'Phoenix Contact' and 'Universal' categories. The 'Message Window' at the bottom displays error messages related to IP address configuration.

PC WORX - Untitled

File Edit View Project Build Online Extras ?

Bus Structure

UNTITLED

AXC1050 192.168.0.2

Resource

STD_RES AXC1050_21

Axioline

PROFINET

MODBUS_CLT

Touch Display

Unconnected

Device Catalog

Phoenix Contact

Universal

Enter search criteria

All

Device Details

UNTITLED \Project\

	Project name	Value
Project name	UNTITLED	
Creator	7WRNZF	
Computer name at project creation	PXCSW-N0082	
MULTIPROG version at project creation	5.51.8.0	
PC WORX version at project creation	PC WORX 6.30.1503	
Creation date	2015-09-22T08:46:08+01:00	
Last editor	7WRNZF	
Computer name at last project backup	PXCSW-N0041	
MULTIPROG version at last project backup	5.51.245.0	
PC WORX version at last project backup	PC WORX 6.30.1911	
Date of last project backup	2017-02-07T11:18:33+01:00	
Domain Postfix		
Template for DNS name creation		
First IP Address	192.168.1.1	
Last IP-Address	192.168.1.254	
Subnetmask	255.255.255.0	

Project

Message Window

Ethernet Topology: Displaying the network in tree topology

ETHERNET/PROFINET: The IP start address must not be greater than the IP end address.

Device Details: The IP start address must not be greater than the IP end address.

ETHERNET/PROFINET: IP address of the device (axc-10501) is not in the IP address range.

Build Errors Warnings Info PLC Errors Print Multi-User Bus Configurator FDT

For Help, press F1

C: >2GB

Configuração da faixa de IP do CLP.

PC WORX - Untitled

File Edit View Project Build Online Extras ?

Bus Structure

- UNTITLED
 - AXC 1050 192.168.1.2
 - Resource
 - STD_RES AXC1050_21
 - Axioline
 - PROFINET
 - MODBUS_CLT
 - Touch Display
 - Unconnected

Device Details

AXC 1050 192.168.0.2 \IP Settings\

Name	Value
Vendor	Phoenix Contact
Designation	AXC 1050
Functional description	Axioline Controller for Ethernet Networks
Device type	PLC
Device family	AXC1xxx
Order number	2700988
Revision	01/2.10
Station Name	
Device Name	
Module Equipment ID	
DNS Name	axc-10501
MAC Address	
IP Address	192.168.1.2
Subnetmask	255.255.255.0
Default Gateway	

Device Catalog

- Phoenix Contact
- Universal

Enter search criteria

IP Settings Extended Settings Communication IP Assignment CPU Service Editor Terminal Points Bus interfaces

Message Window

Ethernet Topology: Displaying the network in tree topology

- ETHERNET/PROFINET: The IP start address must not be greater than the IP end address.
- Device Details: The IP start address must not be greater than the IP end address.
- ETHERNET/PROFINET: IP address of the device (axc-10501) is not in the IP address range.

Build Errors Warnings Info PLC Errors Print Multi-User Bus Configurator FDT

For Help, press F1

C: >2GB

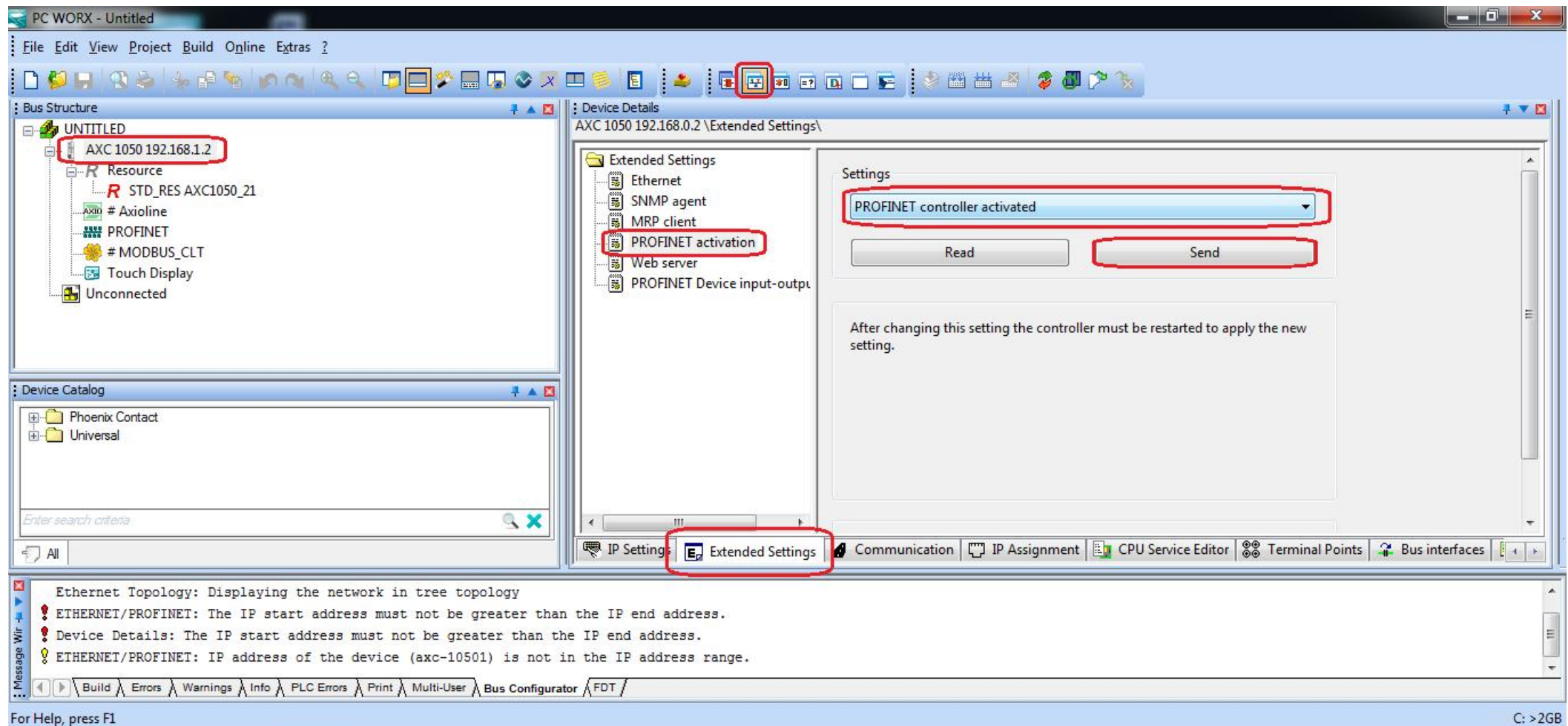
Teste de comunicação com o CLP.

The screenshot displays the PC WORX software interface, titled "PC WORX - Untitled". The main window is divided into several panes:

- Bus Structure:** Shows a tree view of the project. The "AXC 1050 192.168.1.2" device is highlighted with a red box. Below it, the "Resource" section lists "STD_RES AXC1050_21", "Axoline", "PROFINET", "MODBUS_CLT", "Touch Display", and "Unconnected".
- Device Catalog:** Lists "Phoenix Contact" and "Universal" categories.
- Device Details:** Shows the configuration for "AXC 1050 192.168.0.2 \Communication\". The "Interface Type" section lists "AXC 1050", "Communication Path", "Ethernet", and "Station Name". The "Connection Name" is set to "Manual Input". The "IP Address" is set to "192 . 168 . 1 . 2" and the "Subnet Mask" is "255 . 255 . 255 . 0". The "Gateway Address" is empty. The "use virtual LAN" checkbox is unchecked. A green bar at the bottom of the details pane indicates "Host Type: AXC 1050".
- Test Button:** A blue button labeled "Test" is highlighted with a red box.
- Communication Tab:** The "Communication" tab is selected in the bottom toolbar, also highlighted with a red box.
- Message Window:** Displays error messages: "Ethernet Topology: Displaying the network in tree topology", "ETHERNET/PROFINET: The IP start address must not be greater than the IP end address.", "Device Details: The IP start address must not be greater than the IP end address.", and "ETHERNET/PROFINET: IP address of the device (axc-10501) is not in the IP address range."

The bottom status bar shows "For Help, press F1" and "C: >2GB".

Ativação do PROFINET do CLP.



Reinicialização do CLP para carregar as novas configurações.

The screenshot displays the PC WORX software interface, titled 'PC WORX - Untitled'. The main window is divided into several panes:

- Bus Structure:** Shows a tree view of the device configuration. The 'AXC 1050 192.168.1.2' node is highlighted with a red box.
- Device Details:** Displays the 'Extended Settings' for the selected device. The 'Ethernet' option is highlighted with a red box. Below it, the 'Restart Controller' button is also highlighted with a red box.
- Device Catalog:** Lists available devices, including 'Phoenix Contact' and 'Universal'.
- Message Window:** Displays error messages related to IP address configuration, such as 'ETHERNET/PROFINET: The IP start address must not be greater than the IP end address.'

The bottom status bar indicates 'For Help, press F1' and 'C: >2GB'.

Leitura da rede PROFINET e seus dispositivos conectados.

PC WORX - Untitled

File Edit View Project Build Online Extras ?

Bus Structure

UNTITLED

AXC 1050 192.168.1.2

Resource

STD_RES AXC1050_21

Axioline

PROFINET

M...

Tou...

Unconn...

Device Catalog

Phoenix Cor...

Universal

Enter search criteria

All

Message Win...

Ethernet T...

ETHERNET/P...

Device Det...

ETHERNET/PROFINET: IP address of the device (axc-10501) is not in the IP address range.

Build Errors Warnings Info PLC Errors Print Multi-User Bus Configurator FDT

For Help, press F1

C: >2GB

Read PROFINET

Selected PROFINET IO Controller

Name: axc-1050

Device Type: AXC 1050

IP Address: 192.168.1.2

Subnet Mask: 255.255.255.0

Default Gateway:

Available on Network

Name	Type	MAC Address	IP Address	Subnet Mask
axc-1050	[IOC] AXC 1050	00:A0:45:8C:6D:E9	192.168.1.2	255.255.255.0
remote-1-pn	[IOD] IL PN BK D18	00:A0:45:04:50:50	192.168.1.3	255.255.255.0

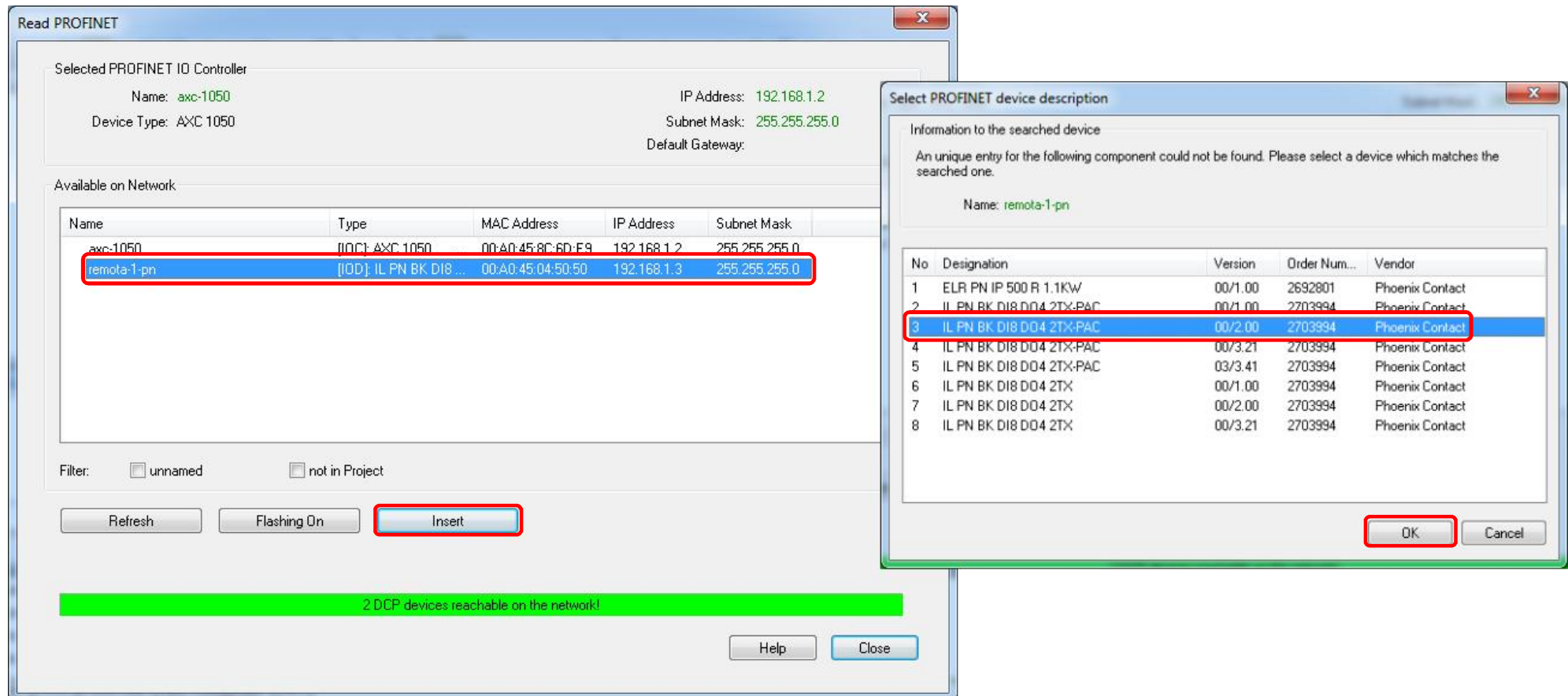
Filter: ☐ unnamed ☐ not in Project

Refresh Flashing On Insert

2 DCP devices reachable on the network!

Help Close

Selecione o dispositivo a ser adicionado a rede PROFINET com sua respectiva versão de hardware/firmware.



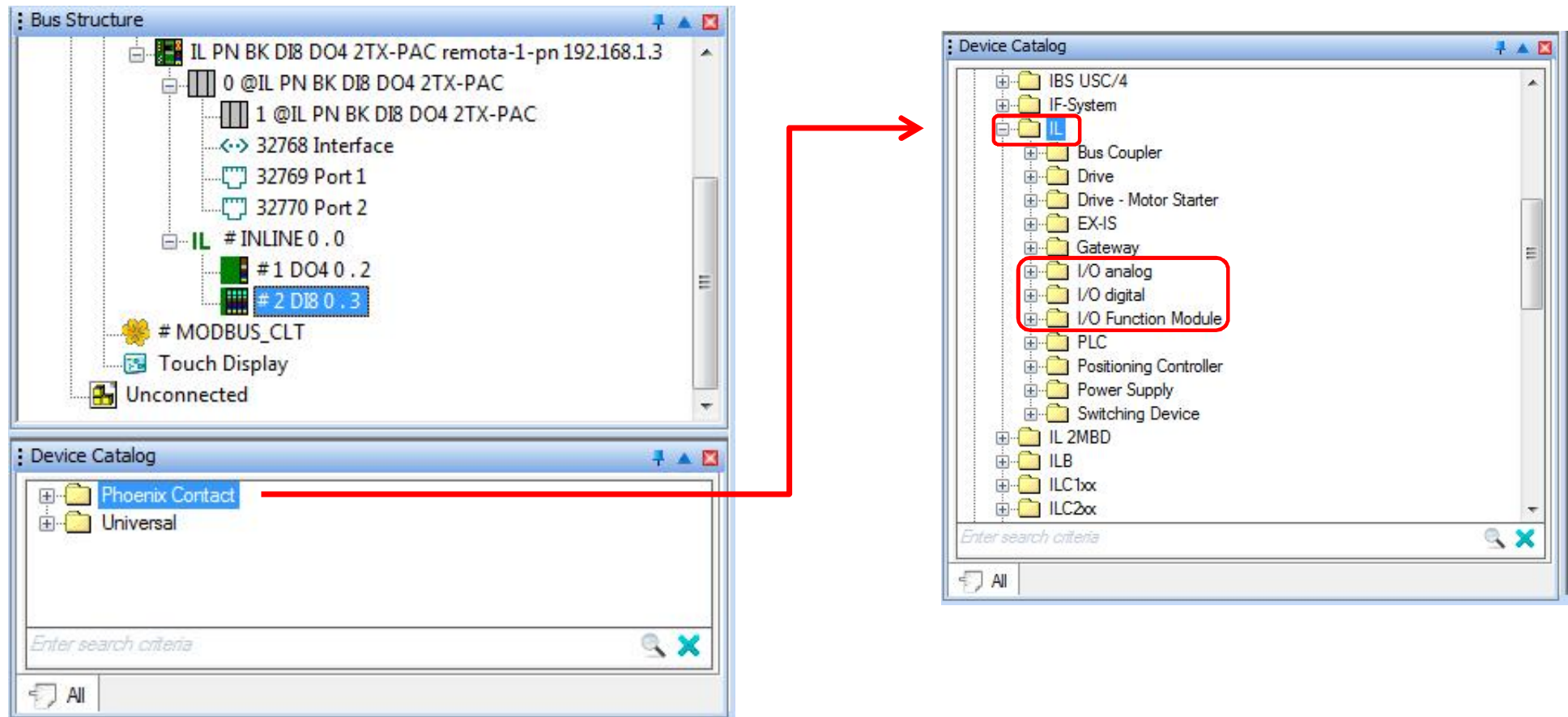
Remota IO – IL PN BK DI8 DO4 2TX-PAC adicionado ao projeto.

The screenshot displays the PC WORX software interface with the following components:

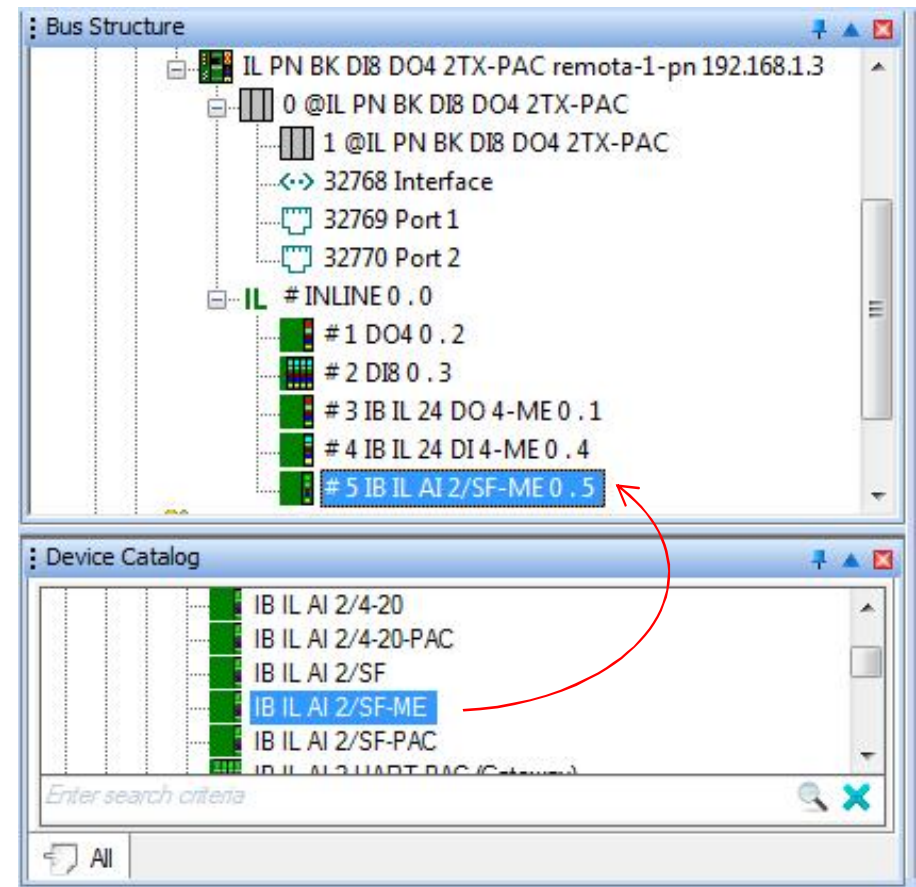
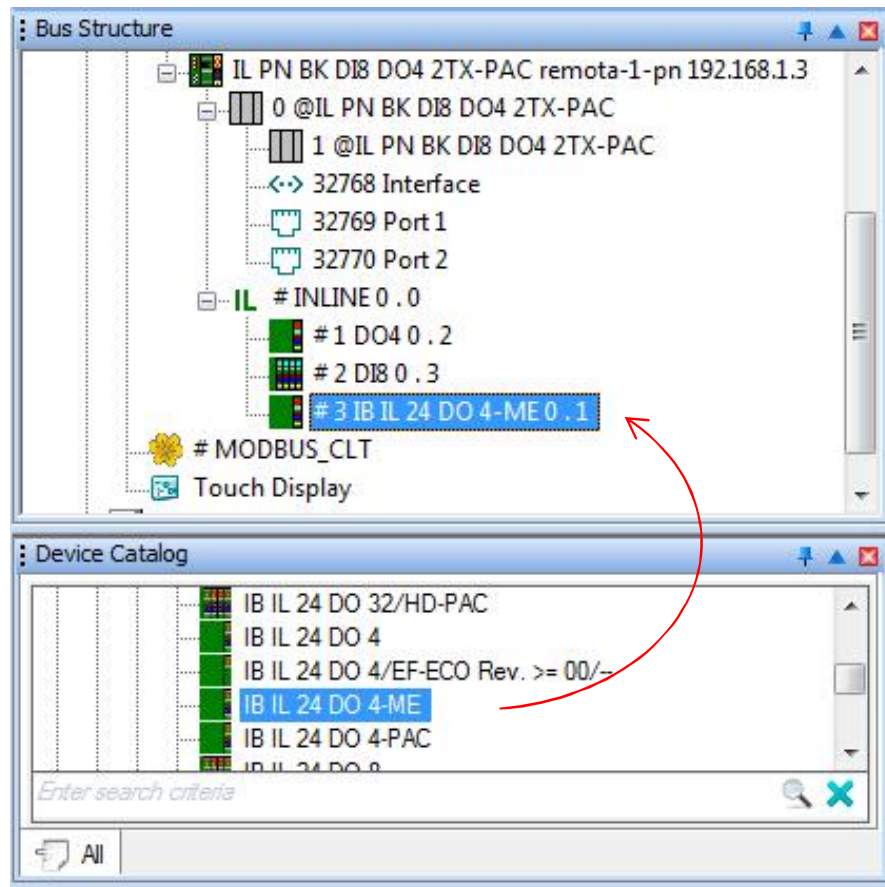
- Bus Structure:** A tree view showing the project hierarchy. The device "IL PN BK DI8 DO4 2TX-PAC remota-1-pn 192.168.1.3" is highlighted. A callout box points to it with the text: "Este modelo de remota já possui 8DI e 4DO onboard".
- Device Catalog:** Shows the "Phoenix Contact" and "Universal" categories.
- Device Details:** A table showing the configuration for the selected device.
- Message Window:** Displays the message: "1 PROFINET device(s) added to the current project."
- Bottom Bar:** Includes navigation buttons (Build, Errors, Warnings, Info, PLC Errors, Print, Multi-User, Bus Configurator, FDT) and a status bar with "For Help, press F1" and "C: >2GB".

Name	Value
Vendor	Phoenix Contact
VendorID	0x00B0
Designation	IL PN BK DI8 DO4 2TX-PAC
DeviceID	0x000A
Functional description	PROFINET IO - INTERBUS Inline Bus Coupler
Device type	Bus Coupler
Device family	IL
Order number	2703994
Revision	00/2.00
DNS Name	remota-1-pn
Station Name	
Device Name	
Module Equipment ID	
IP Address	192.168.1.3
Subnetmask	255.255.255.0
Default Gateway	--

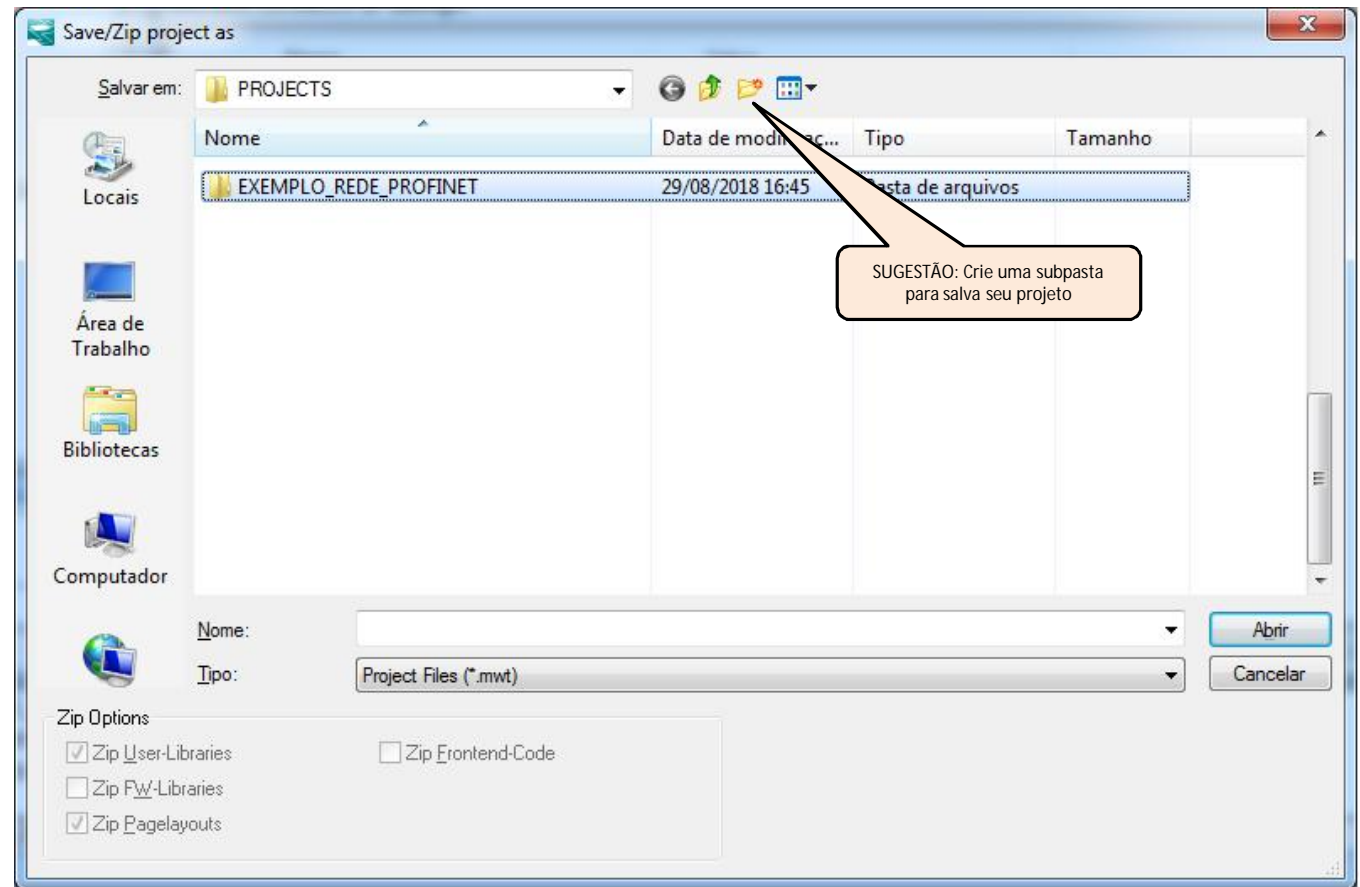
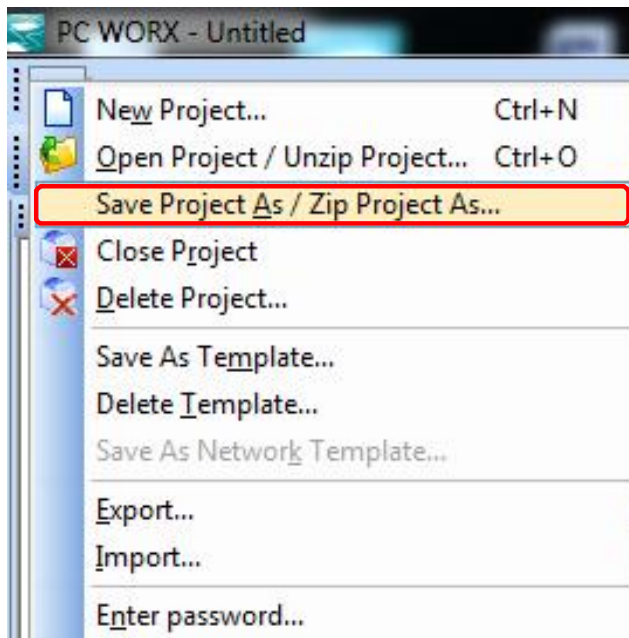
Declarar no projeto os cartões acoplados a remota IO.



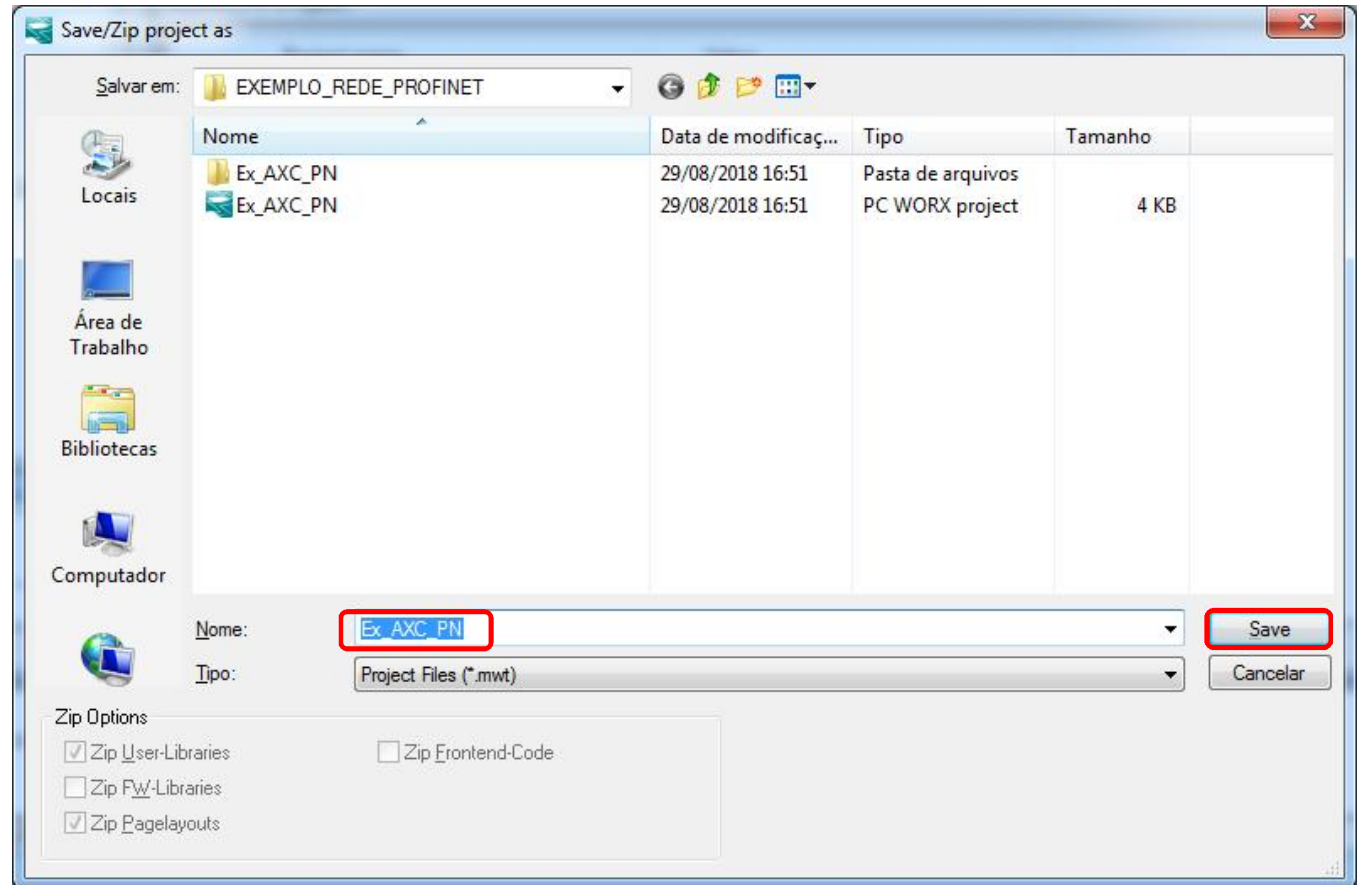
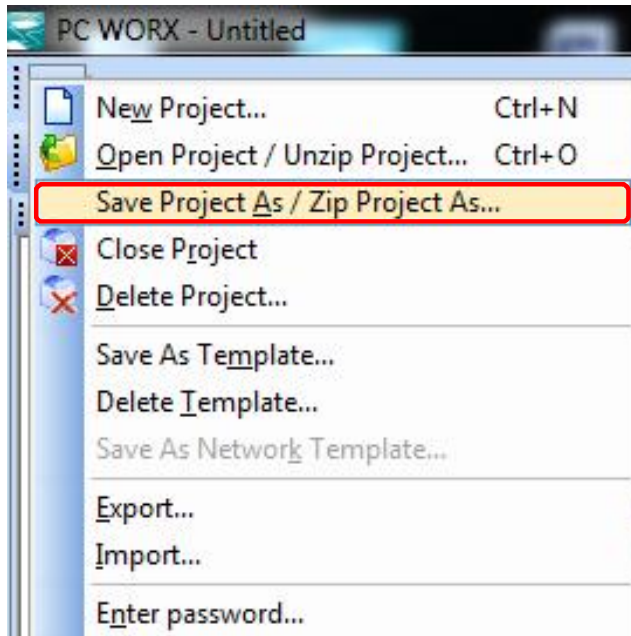
Declarar no projeto os cartões acoplados a remota IO.



Salvar o projeto.



Salvar o projeto.



Pronto!!!

A rede e seus dispositivos PROFINET já estão configurados
Agora você já pode iniciar a programação.



INSPIRING INNOVATIONS

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