

Dokumenty techniczne EdgeLink

Abstrakt	Obsługa MULTIPROG Express
Słowa kluczowe	EdgeLink, MULTIPROG Express
Powiązane produkty	ADAM-3600, ECU-1152, ECU-1251, ECU-1051

■ Opis problemu:

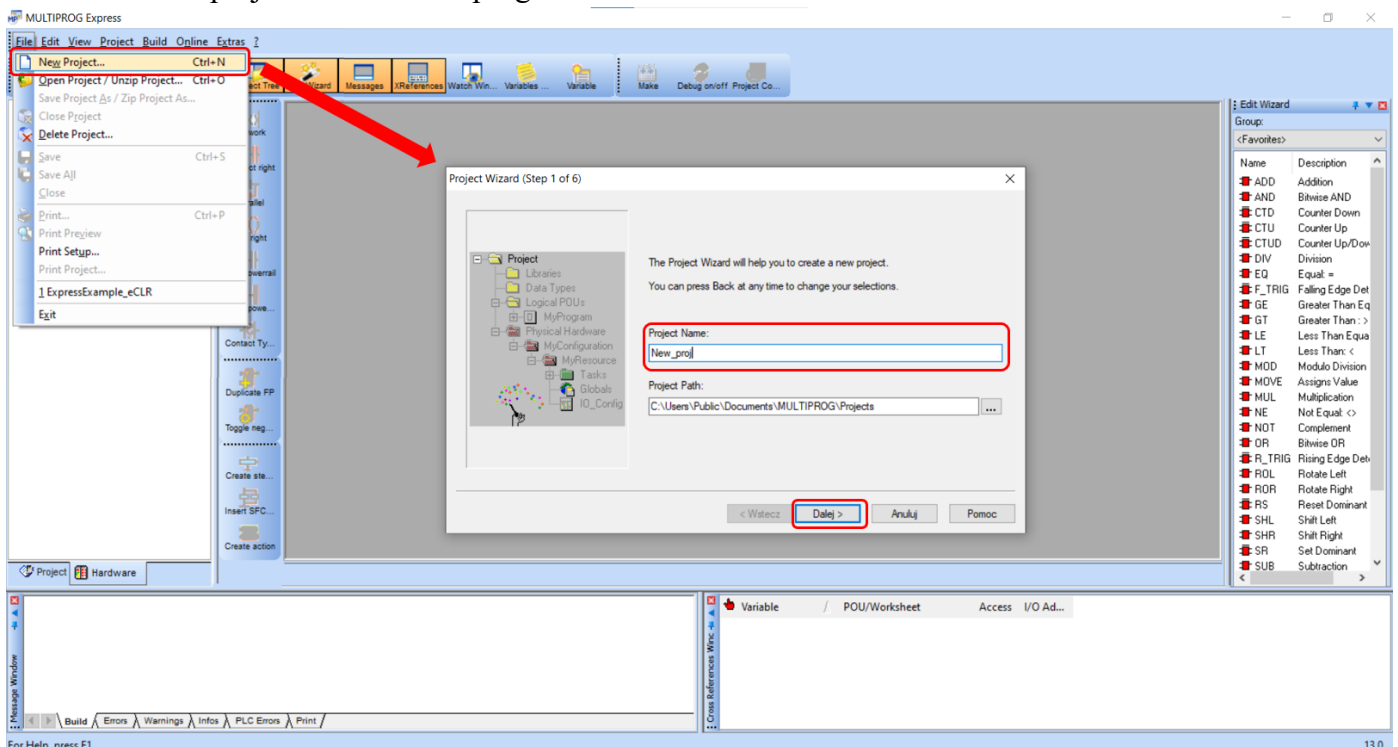
Ten dokument wyjaśnia, jak wykorzystać MULTIPROG Express do programowania logicznego.

■ Odpowiedź:

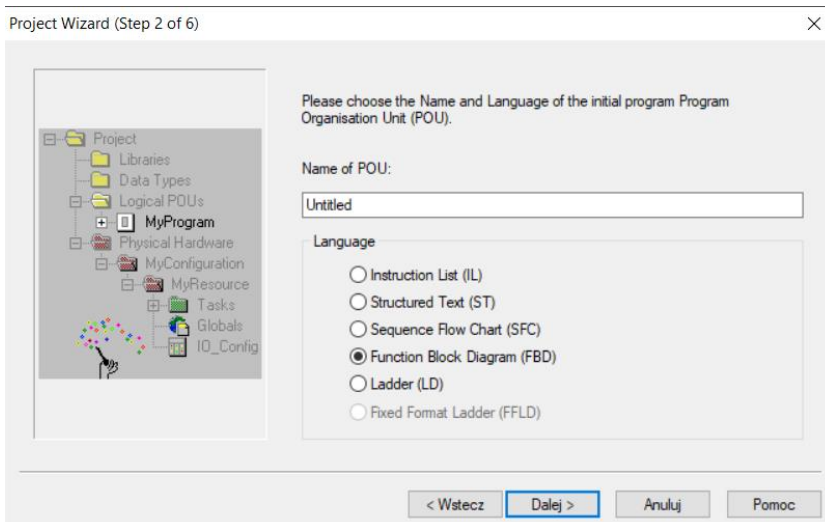
Krok 1. Pobranie programu MULTIPROG Express

- (1) Pobierz *KW application for EdgeLink* z linku <https://www.advantech.com/en/support/details/utility?id=1-103ZLR5>
- (2) Rozpakuj pobrany plik, a także folder *MULTIPROG535EXPRESS.zip* znajdujący się wewnątrz.
- (3) Zainstaluj *MULTIPROG535EXPRESS\setup.exe*
- (4) Zainstaluj *ADAM-3600-C2G_ARM_LE_GCC3_eCLR_3.0.20731.exe*
- (5) Zainstaluj *EdgeLink_AddOn_For_MULTIPROG_535_2.0.0.5_#28.exe*

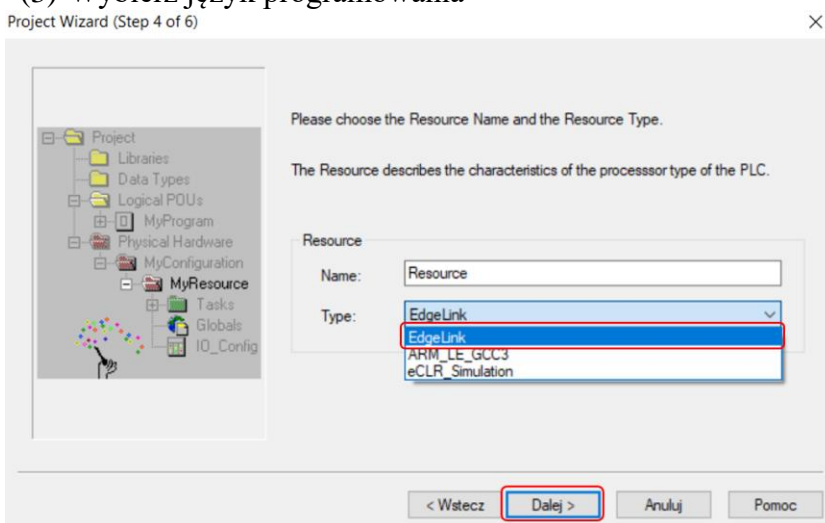
Krok 3. Stwórz projekt w KW Multiprog



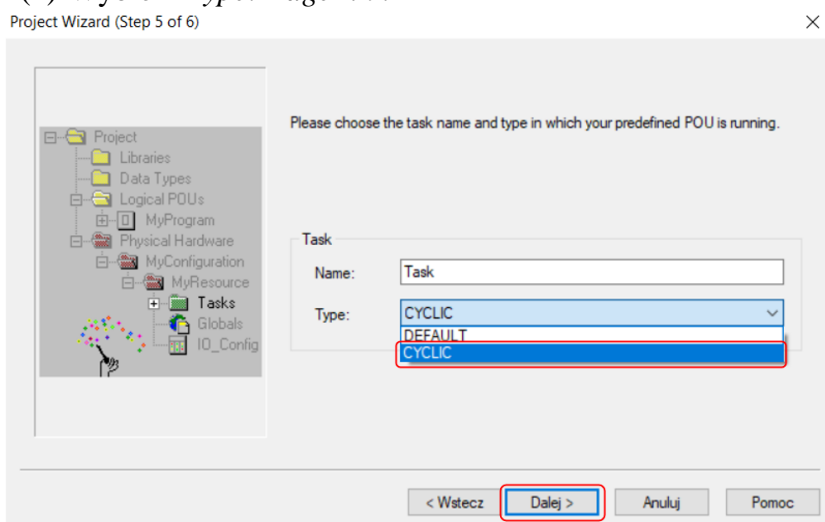
- (1) Wejdź w File → New Projekt...
- (2) Dodaj nazwę projektu



(3) Wybierz język programowania



(4) Wybierz Type: EdgeLink



(5) Wybierz Type: CYCLIC

Project Wizard (Step 6 of 6)

Project

- Libraries
- Data Types
- Logical POU's
- MyProgram
- Physical Hardware
- MyConfiguration
- MyResource
- Tasks
- Globals
- IO_Config

Project Description

Project name: New_proj
Project Path: C:\Users\Public\Documents\MULTIPROG\Projects

POU name: Untitled
POU language: Function Block Diagram (FBD)

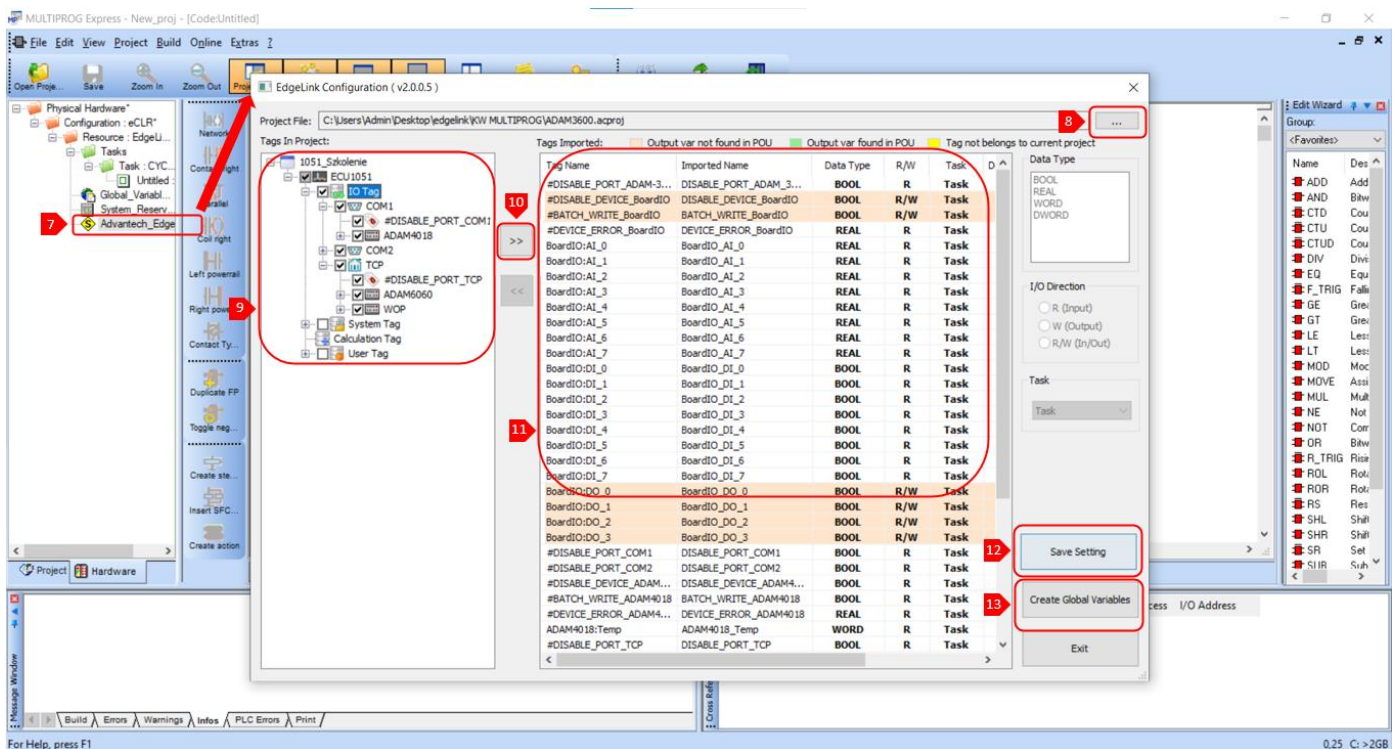
Configuration name: Configuration
PLC type: eCLR

Resource name: Resource
Processor type: EdgeLink

Task name: Task
Task type: CYCLIC

< Wstecz
Zakończ
Anuluj
Pomoc

(6) Zakończ tworzenie nowego projektu



The screenshot shows the 'EdgeLink Configuration' dialog box in the MULTIPROG Express software. The dialog is titled 'EdgeLink Configuration (v2.0.0.5)' and contains a 'Tags In Project' tree on the left and a 'Tags Imported' table on the right. The 'Tags Imported' table lists various tags with their names, imported names, data types, and tasks. The 'Save Setting' and 'Create Global Variables' buttons are highlighted with red boxes and numbered callouts.

Tag Name	Imported Name	Data Type	R/W	Task
#DISABLE_PORT_ADAM3...	DISABLE_PORT_ADAM_3...	BOOL	R	Task
#DISABLE_DEVICE_BoardIO	DISABLE_DEVICE_BoardIO	BOOL	R/W	Task
#BATCH_WRITE_BoardIO	BATCH_WRITE_BoardIO	BOOL	R/W	Task
#DEVICE_ERROR_BoardIO	DEVICE_ERROR_BoardIO	REAL	R	Task
BoardIO_AI_0	BoardIO_AI_0	REAL	R	Task
BoardIO_AI_1	BoardIO_AI_1	REAL	R	Task
BoardIO_AI_2	BoardIO_AI_2	REAL	R	Task
BoardIO_AI_3	BoardIO_AI_3	REAL	R	Task
BoardIO_AI_4	BoardIO_AI_4	REAL	R	Task
BoardIO_AI_5	BoardIO_AI_5	REAL	R	Task
BoardIO_AI_6	BoardIO_AI_6	REAL	R	Task
BoardIO_AI_7	BoardIO_AI_7	REAL	R	Task
BoardIO_DI_0	BoardIO_DI_0	BOOL	R	Task
BoardIO_DI_1	BoardIO_DI_1	BOOL	R	Task
BoardIO_DI_2	BoardIO_DI_2	BOOL	R	Task
BoardIO_DI_3	BoardIO_DI_3	BOOL	R	Task
BoardIO_DI_4	BoardIO_DI_4	BOOL	R	Task
BoardIO_DI_5	BoardIO_DI_5	BOOL	R	Task
BoardIO_DI_6	BoardIO_DI_6	BOOL	R	Task
BoardIO_DI_7	BoardIO_DI_7	BOOL	R	Task
BoardIO_DO_0	BoardIO_DO_0	BOOL	R/W	Task
BoardIO_DO_1	BoardIO_DO_1	BOOL	R/W	Task
BoardIO_DO_2	BoardIO_DO_2	BOOL	R/W	Task
BoardIO_DO_3	BoardIO_DO_3	BOOL	R/W	Task
#DISABLE_PORT_COM1	DISABLE_PORT_COM1	BOOL	R	Task
#DISABLE_DEVICE_ADAM...	DISABLE_DEVICE_ADAM4...	BOOL	R	Task
#BATCH_WRITE_ADAM4018	BATCH_WRITE_ADAM4018	BOOL	R	Task
#DEVICE_ERROR_ADAM4...	DEVICE_ERROR_ADAM4018	REAL	R	Task
ADAM4018:Temp	ADAM4018_Temp	WORD	R	Task
#DISABLE_PORT_TCP	DISABLE_PORT_TCP	BOOL	R	Task

(7) Wejdź w Advantech_EdgeLink

(8) Wyszukaj projekt utworzony w EdgeLink Studio

(9) Zaznacz wszystkie potrzebne zmienne

(10) Importuj zmienne

(11) Importowane zmienne powinny pojawić się w oknie z prawej strony

(12) Zapisz zmiany

(13) Stwórz zmienne globalne

EdgeLink Configuration (v2.0.0.5)

Project File: C:\Users\Admin\Desktop\edgelinek\KW MULTIPROG\ADAM3600.acproj

Tags In Project:

- NewProject(1)
 - NewNode
 - IO Tag
 - ADAM-3600-C2GL1A1E
 - BoardIO
 - COM1
 - COM2
 - ADAM4018
 - TCP
 - ADAM6060
 - WOP
 - System Tag
 - Calculation Tag
 - User Tag

Tags Imported:

Tag Name	Imported Name	Data Type	R/W	Task	D
BoardIO:DI_1	BoardIO_DI_1	BOOL	R	Task	
BoardIO:DI_2	BoardIO_DI_2	BOOL	R	Task	
BoardIO:DI_3	BoardIO_DI_3	BOOL	R	Task	
BoardIO:DI_4	BoardIO_DI_4	BOOL	R	Task	
BoardIO:DI_5	BoardIO_DI_5	BOOL	R	Task	
BoardIO:DI_6	BoardIO_DI_6	BOOL	R	Task	
BoardIO:DI_7	BoardIO_DI_7	BOOL	R	Task	
BoardIO:DO_0	BoardIO_DO_0	BOOL	R/W	Task	
BoardIO:DO_1	BoardIO_DO_1	BOOL	R/W	Task	
BoardIO:DO_2	BoardIO_DO_2	BOOL	R/W	Task	
BoardIO:DO_3	BoardIO_DO_3	BOOL	R/W	Task	
#DISABLE_PORT_COM1	DISABLE_PORT_COM1	BOOL	R	Task	
#DISABLE_PORT_COM2	DISABLE_PORT_COM2	BOOL	R	Task	
#DISABLE_DEVICE_ADAM...	DISABLE_DEVICE_ADAM4...	BOOL	R	Task	
#BATCH_WRITE_ADAM4018	BATCH_WRITE_ADAM4018	BOOL	R	Task	
#DEVICE_ERROR_ADAM4...	DEVICE_ERROR_ADAM4018	REAL	R	Task	
ADAM4018:Temp	ADAM4018_Temp	WORD	R	Task	
#DISABLE_PORT_TCP	DISABLE_PORT_TCP	BOOL	R	Task	
#DISABLE_DEVICE_ADAM...	DISABLE_DEVICE_ADAM6...	BOOL	R	Task	
#BATCH_WRITE_ADAM6060	BATCH_WRITE_ADAM6060	BOOL	R	Task	
#DEVICE_ERROR_ADAM6...	DEVICE_ERROR_ADAM6060	REAL	R	Task	
ADAM6060:Lampka	ADAM6060_Lampka	BOOL	W	Task	
ADAM6060:Przycisk	ADAM6060_Przycisk	BOOL	R	Task	
ADAM6060:Przycisk2	ADAM6060_Przycisk2	BOOL	R	Task	
#DISABLE_DEVICE_WOP	DISABLE_DEVICE_WOP	BOOL	R	Task	
#BATCH_WRITE_WOP	BATCH_WRITE_WOP	BOOL	R	Task	
#DEVICE_ERROR_WOP	DEVICE_ERROR_WOP	REAL	R	Task	
WOP:Suwak_PLC	WOP_Suwak_PLC	WORD	R	Task	
WOP:Lampka_PLC	WOP_Lampka_PLC	BOOL	R	Task	
WOP:Lampka_PLC_2	WOP_Lampka_PLC_2	BOOL	R	Task	
WOP:Lampka_3	WOP_Lampka_3	BOOL	R	Task	

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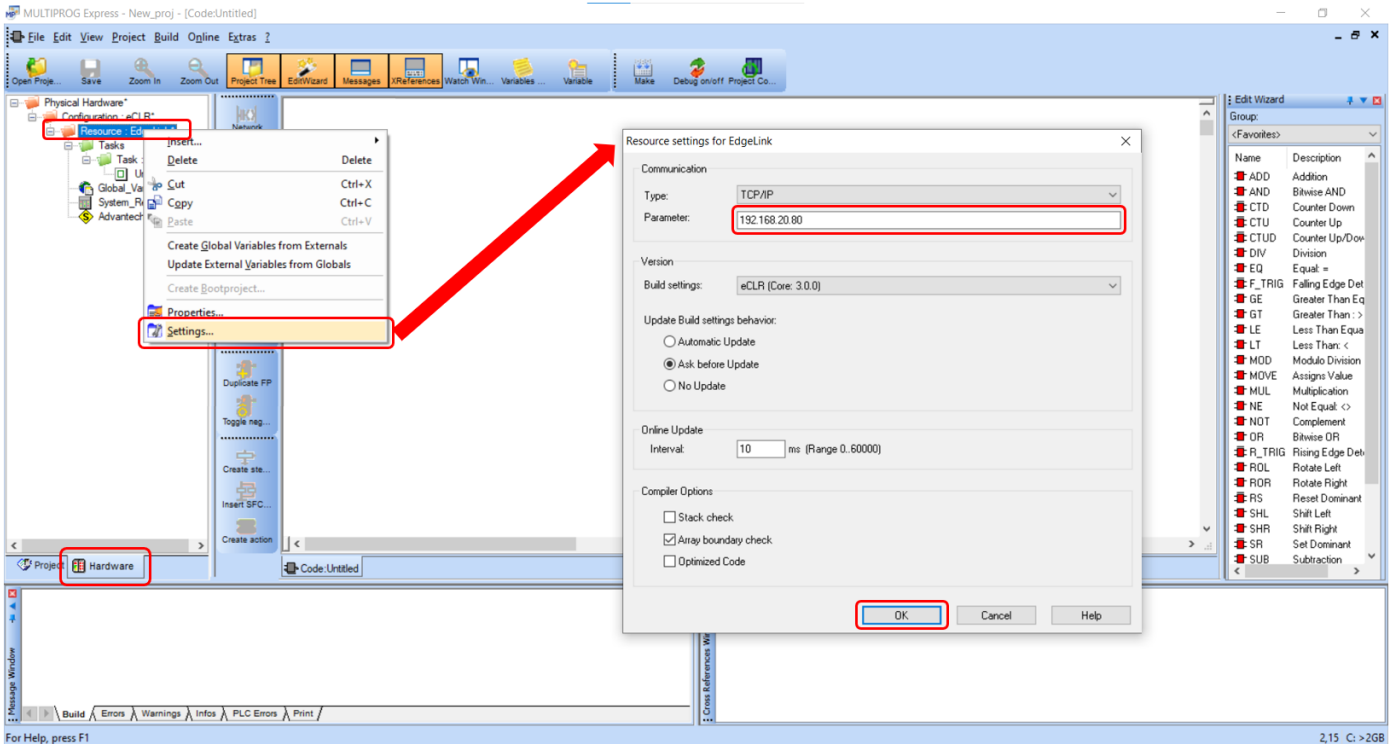
17

Save Setting

Create Global Variables

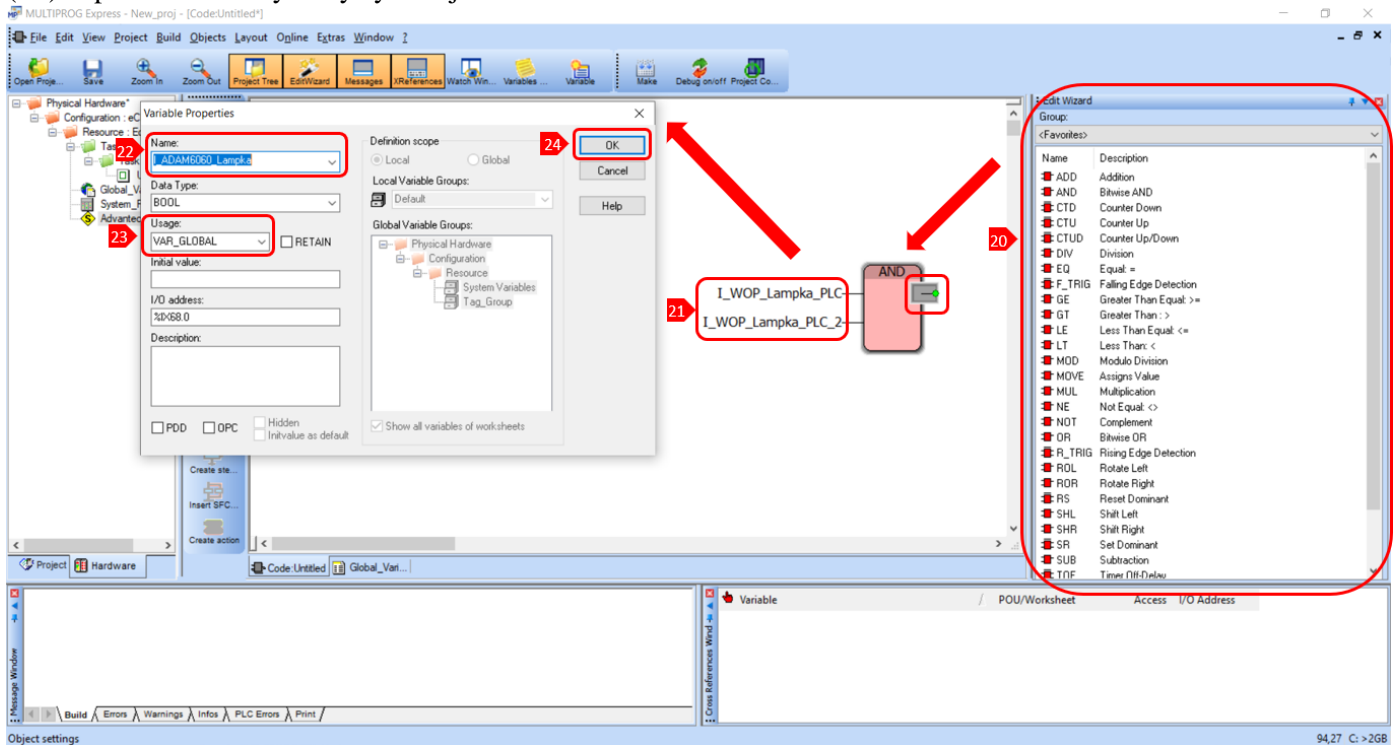
Exit

- (14) Znajdź wszystkie zmienne będące sygnałami wyjściowymi
- (15) Zmień ich typ na Output
- (16) Zapisz zmiany
- (17) Stwórz zmienne globalne



(18) Wejść w Hardware → Resource → Settings...

(19) Wpisz adres IP wykorzystywanej bramki



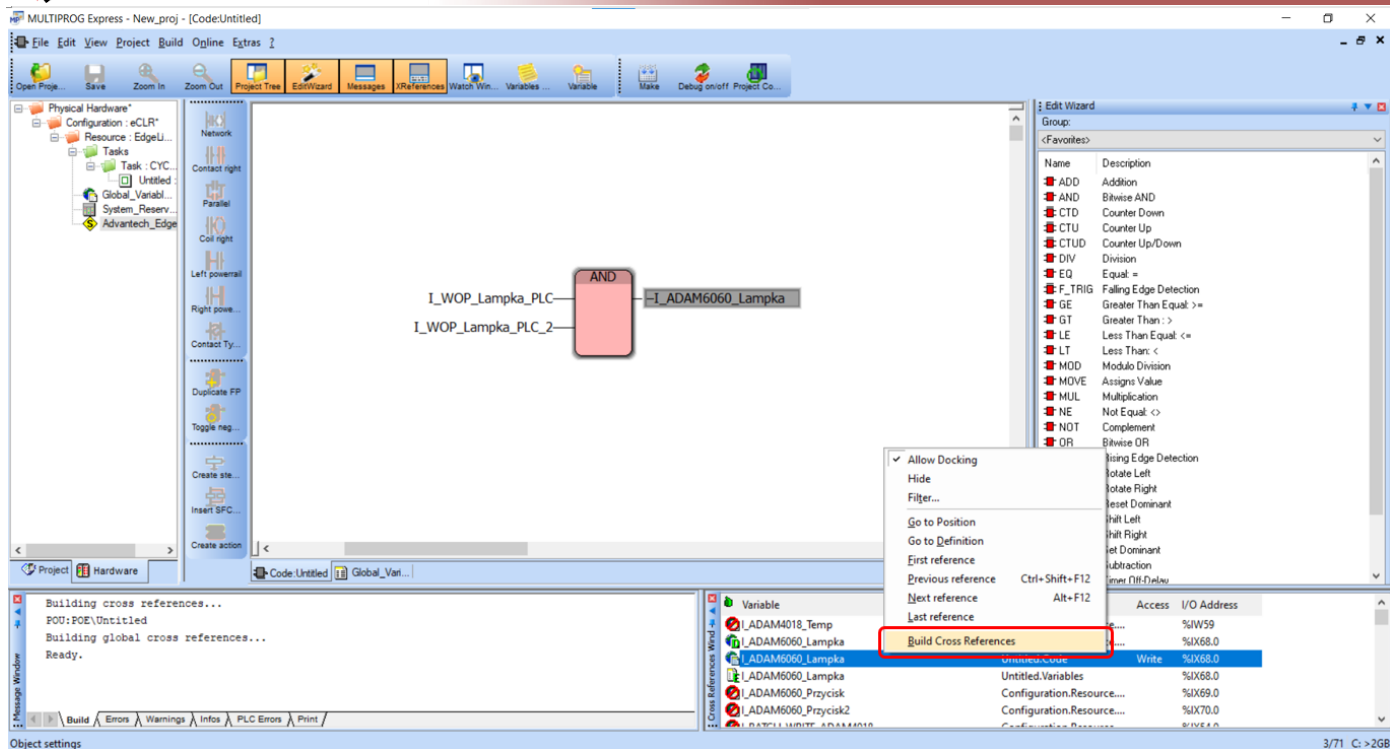
(20) Wybierz odpowiednie elementy logiczne

(21) Kliknij na wyprowadzenie bloku

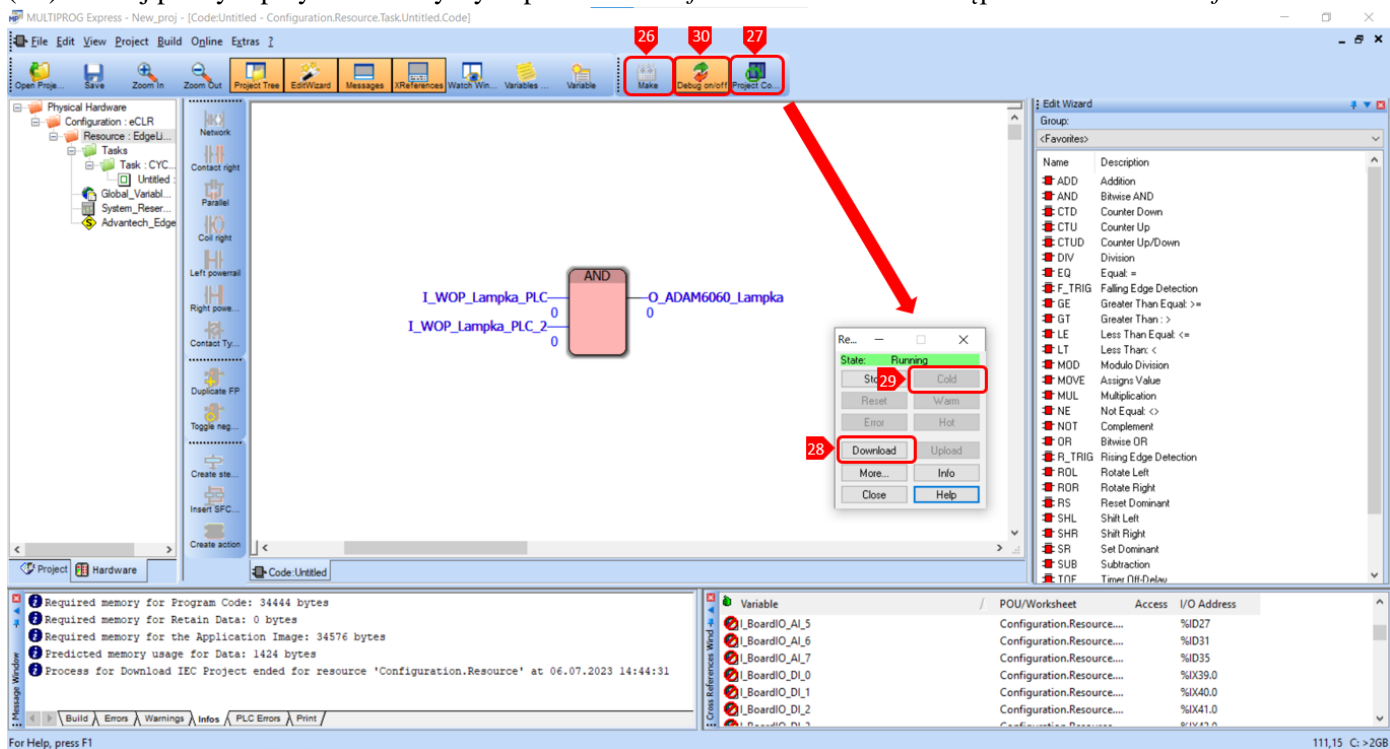
(22) Wybierz odpowiednią zmienną

(23) Ustaw użycie jako zmienna globalna

(24) Zatwierdź zmiany



(25) Kliknij prawym przyciskiem myszy w polu *Cross References Window* a następnie *Build Cross References*



(26) Kliknij *Make* i jeśli nie pojawiają się żadne błędy przejdź do kolejnego kroku

(27) Kliknij *Project Control Dialog*

(28) Pobierz projekt

(29) Wykonaj restart urządzenia

(30) Kliknij *Debug on/off* żeby sprawdzić poprawność działania