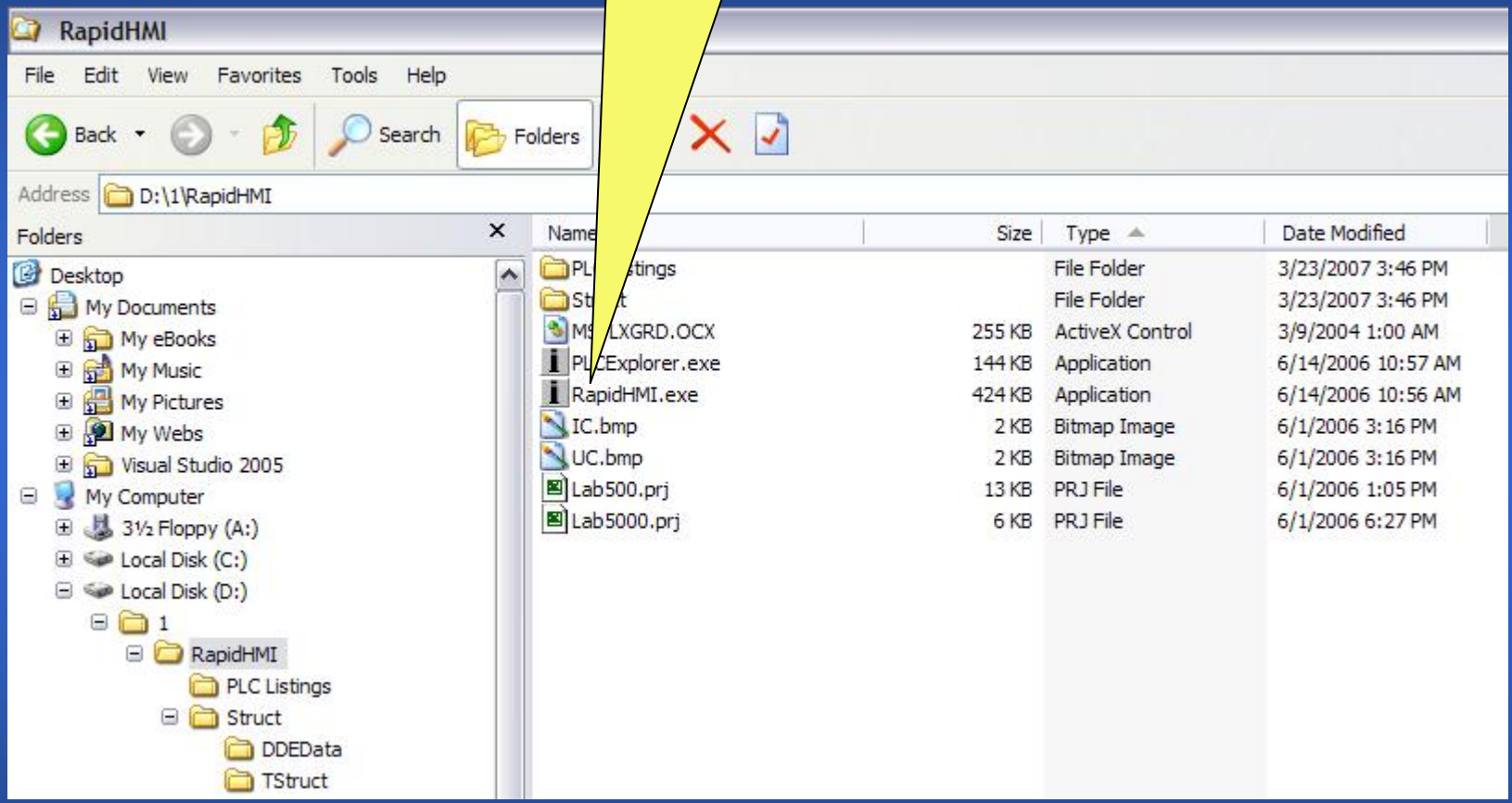
INTRODUCING
RapidHMI
AND
PLCExplorer

THIS PRESENTATION WILL SHOW YOU HOW TO USE RapidHMI
FOR MORE DETAILD INFORMATION REFER TO THE USER'S MANUAL.
THE MANUAL IS PART OF THE DOWNLOAD.
YOU CAN DOWNLOAD THE MANUAL SEPERATLY.

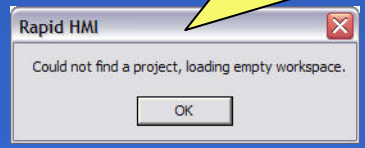
AFTER YOU EXTRACT THE ZIP FILE RUN THE APPLICATION RapidHMI.exe



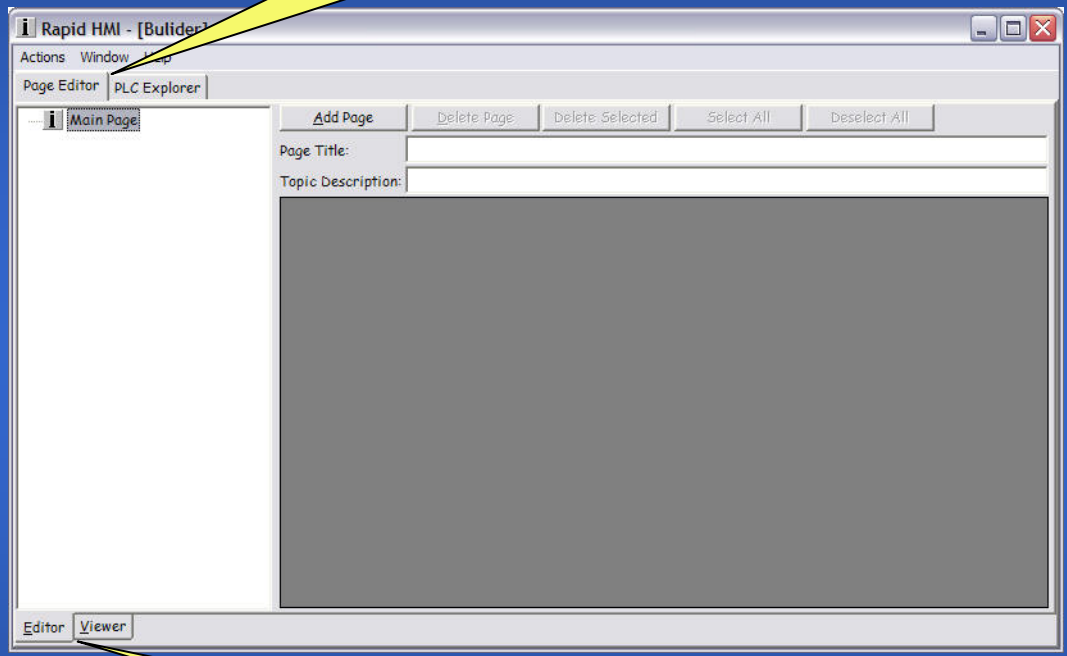
THE LAST PROJECT WORKED ON IS ALWAYS LOADED.

IF YOU HAVE DELETED THE TEMPORARY FILES FROM THE LAST PROJECT YOU WILL RECEIVE THIS MESSAGE.

THIS DOES NOT MEAN YOUR PROJECTS ARE MISSING IT ONLY MEANS THAT NO OPEN PROJECTS WERE FOUND

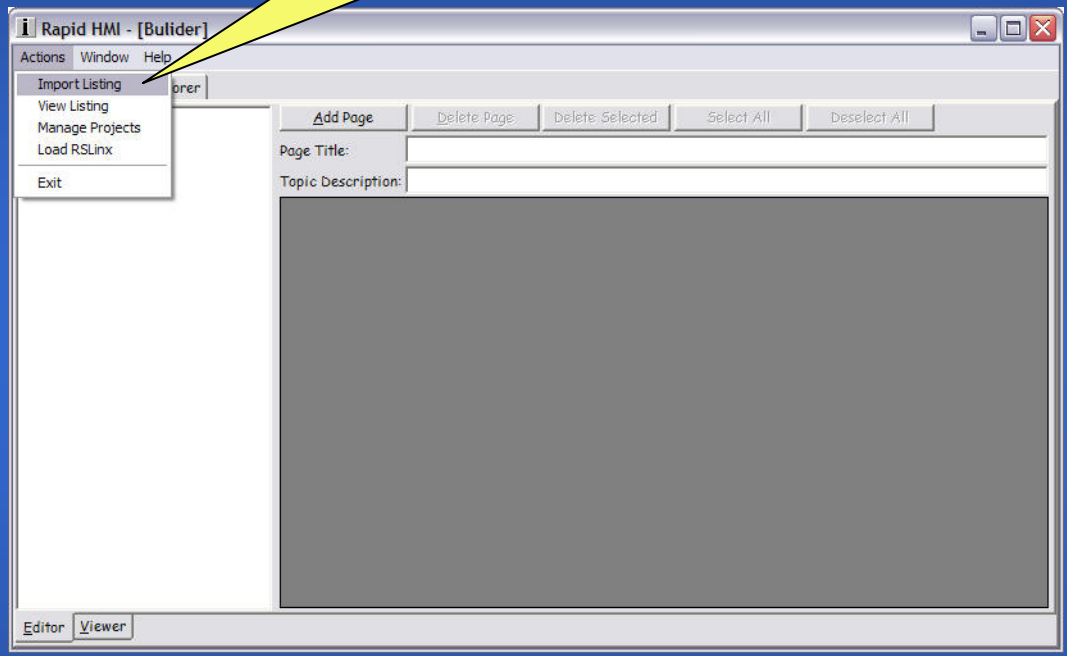


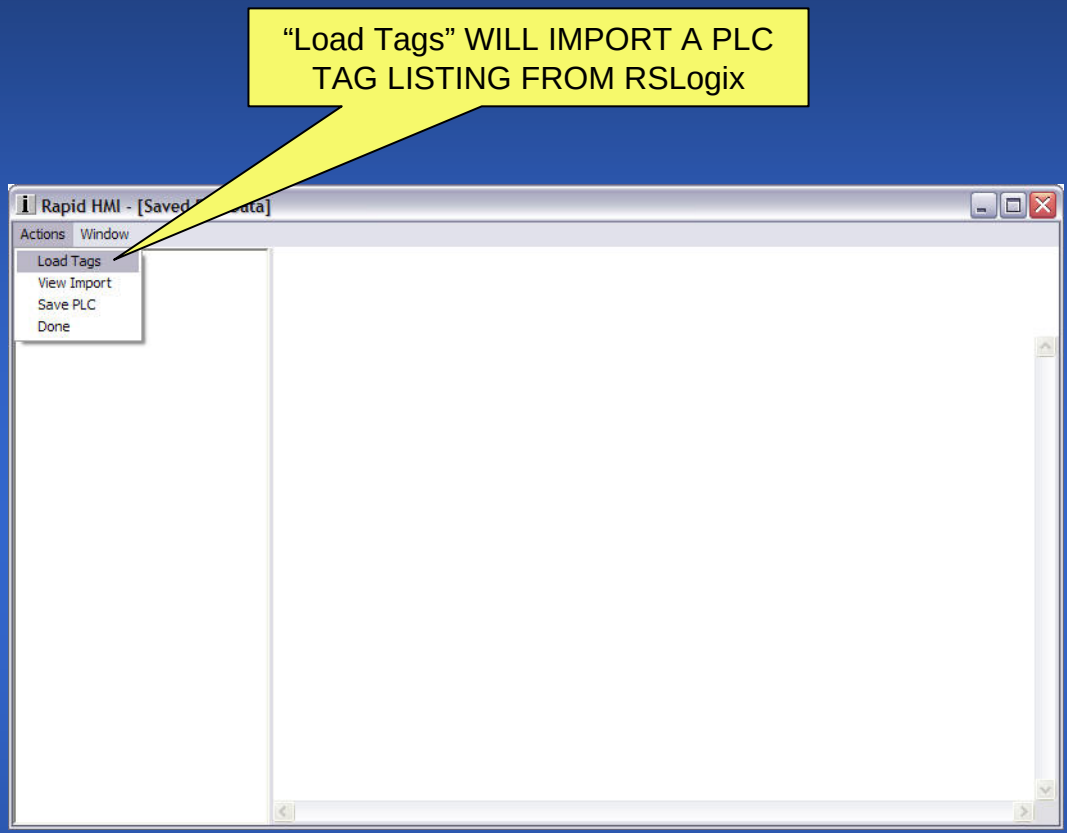
HERE ARE THE TWO MAIN FUNCTIONS OF THE APPLICATION



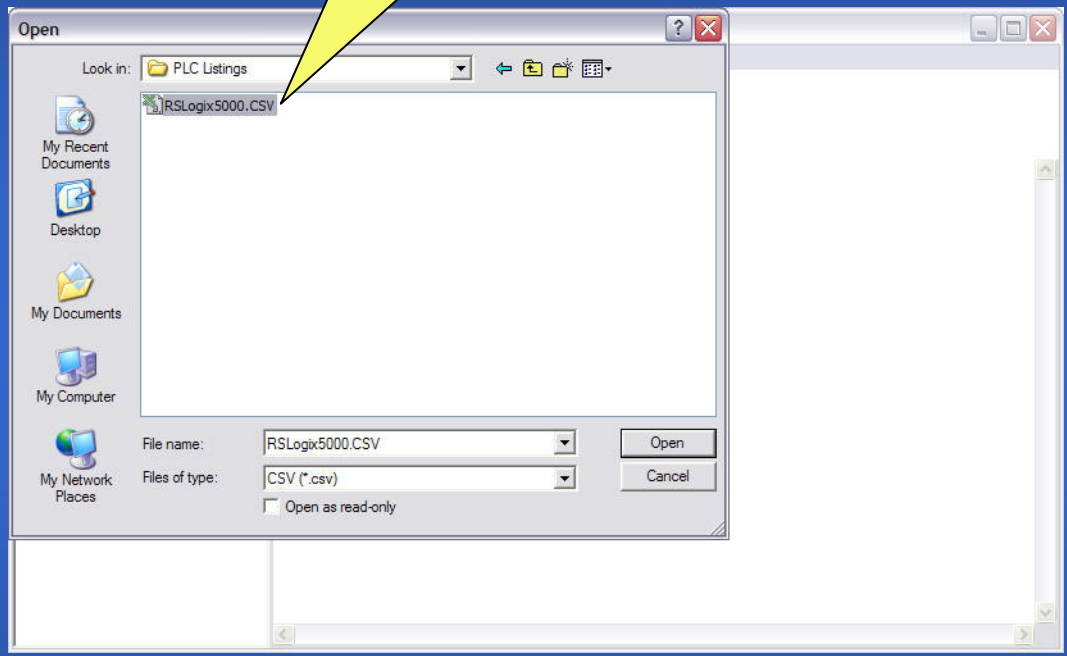
EACH MAIN FUNCTION HAS TWO SUB FUNCTIONS

IN ORDER TO BUILD A PROJECT YOU MUST IMPORT A PLC TAG LISTING FROM RSLogix

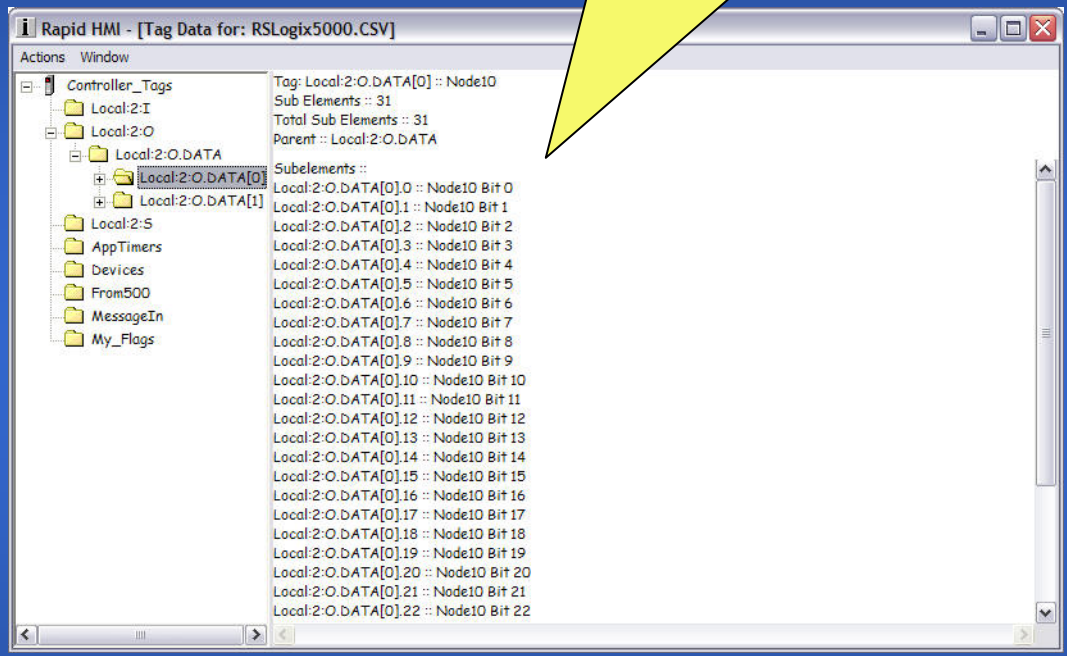



“Load Tags” WILL IMPORT A PLC TAG LISTING FROM RSLogix
Rapid HMI - [Saved
ata]
Actions
Window
Load Tags
View Import
Save PLC
Done

SELECT YOUR PLC TAG LISTING AND CLICK ON “Open”

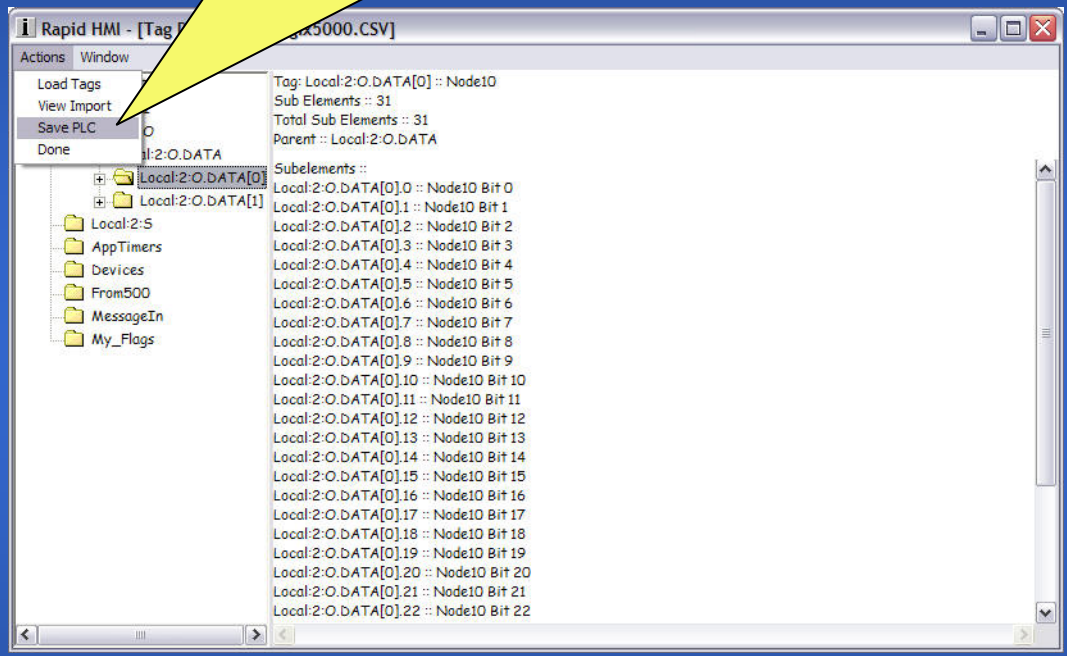


HERE THE LISTING HAS BEEN PROCESSED BY THE APPLICATION BUT IT HAS NOT YET BEEN SAVED TO THE SYSTEM.



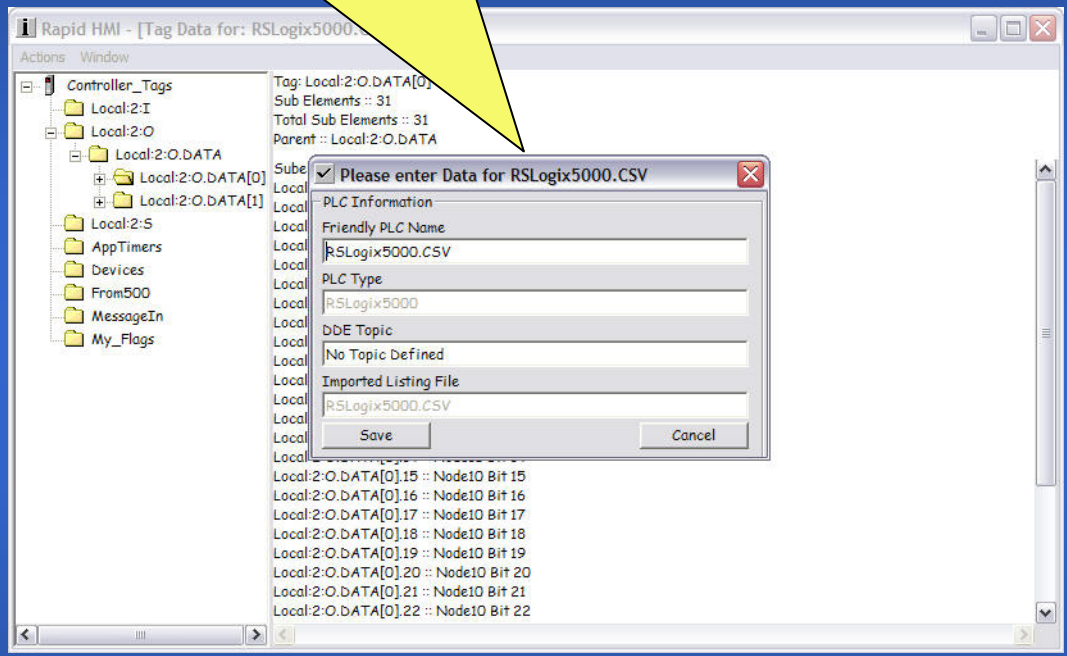
IF YOU WANT TO ADD THIS LISTING TO YOUR STORED PLC LISTINGS CLICK ON “Save PLC”

THIS WILL GENERATE A FILE WITH A “.stc” EXTENSION THAT REPRESENTS AN IMPORTED PLC TAG LISTING

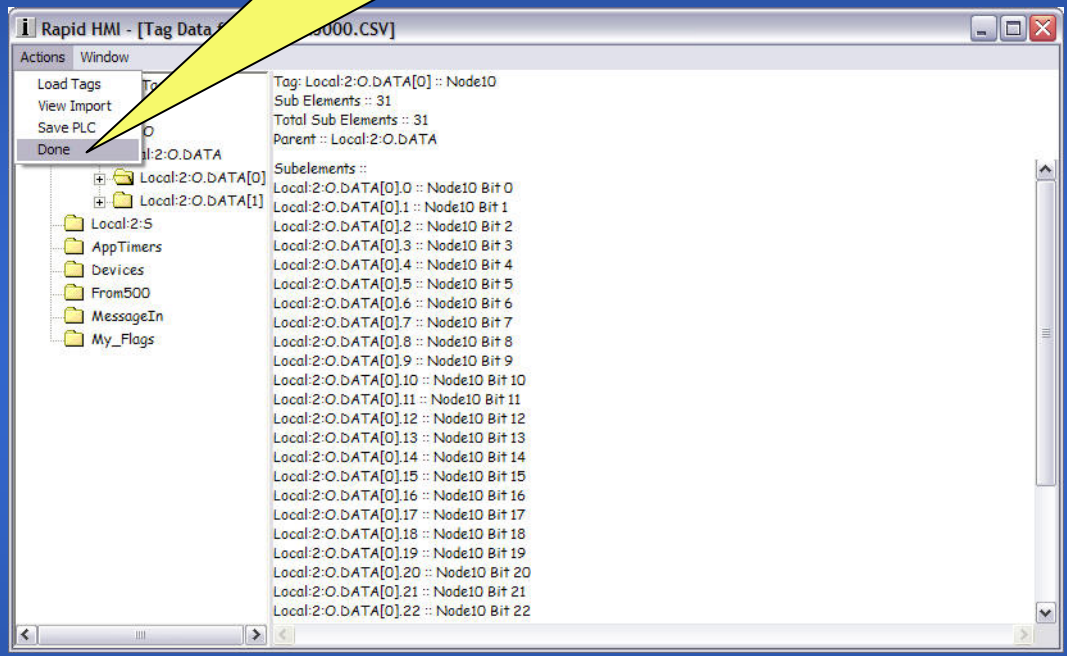


IF YOU WISH YOU MAY UPDATE THE FIELDS FOR FRIENDLY PLC NAME AND DDE TOPIC

YOU CAN CHANGE THESE FIELDS ANY TIME AFTER THAT IN THE PLC MANAGER

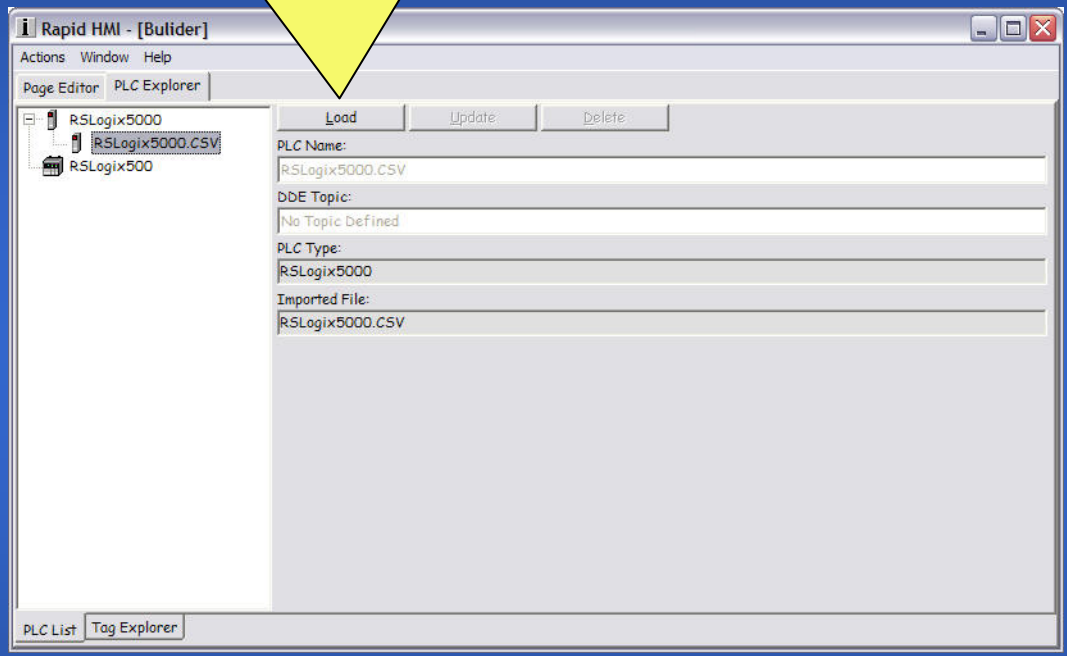


CLICK “Done” WHEN YOU ARE FINISHED



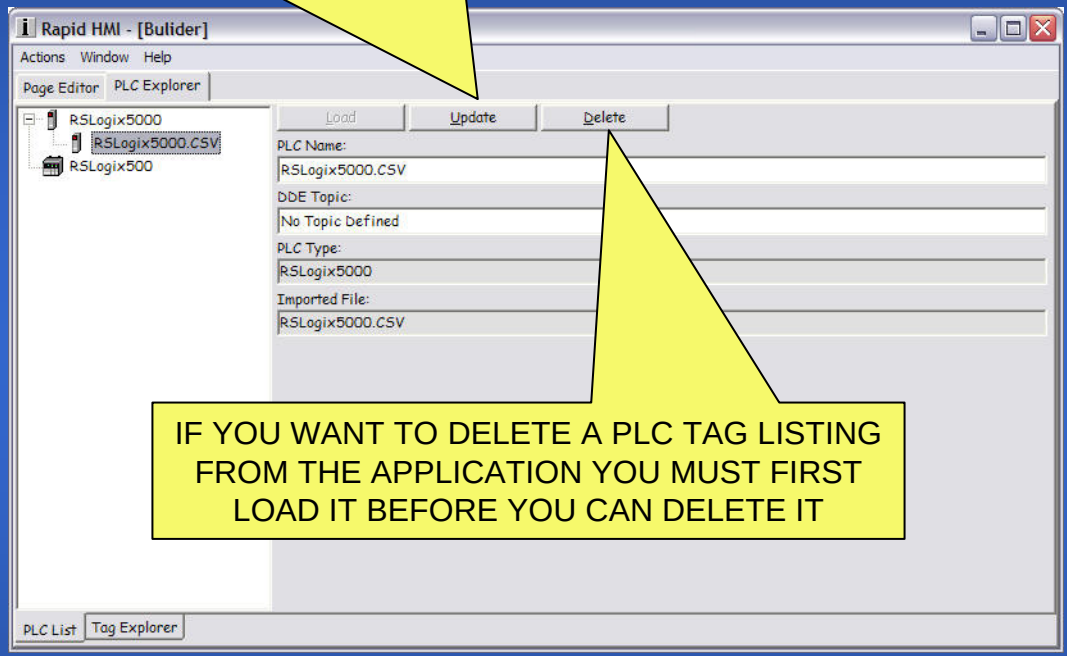
THE TREE ON THE LEFT WILL BE POPULATED WITH ALL YOUR IMPORTED PLC TAG LISTINGS.

SELECT A LISTING AND CLICK ON “Load”



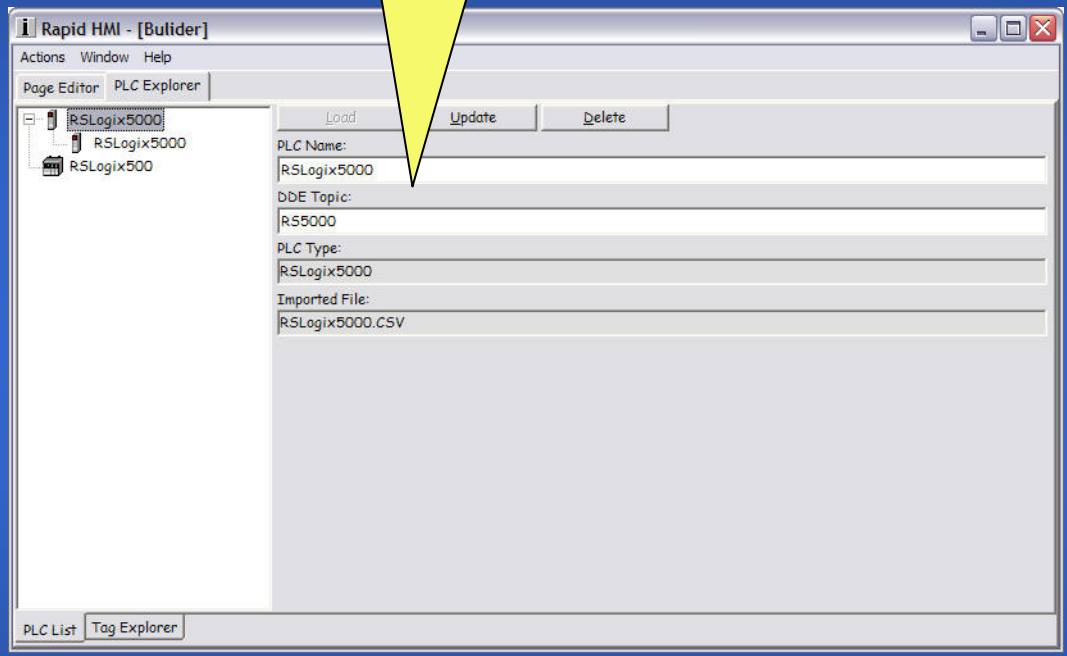
AFTER YOU LOAD A PLC YOU MAY CHANGE THE PLC NAME OR THE DDE TOPIC

THEN CLICK ON “Update” FOR THE CHANGES TO TAKE EFFECT

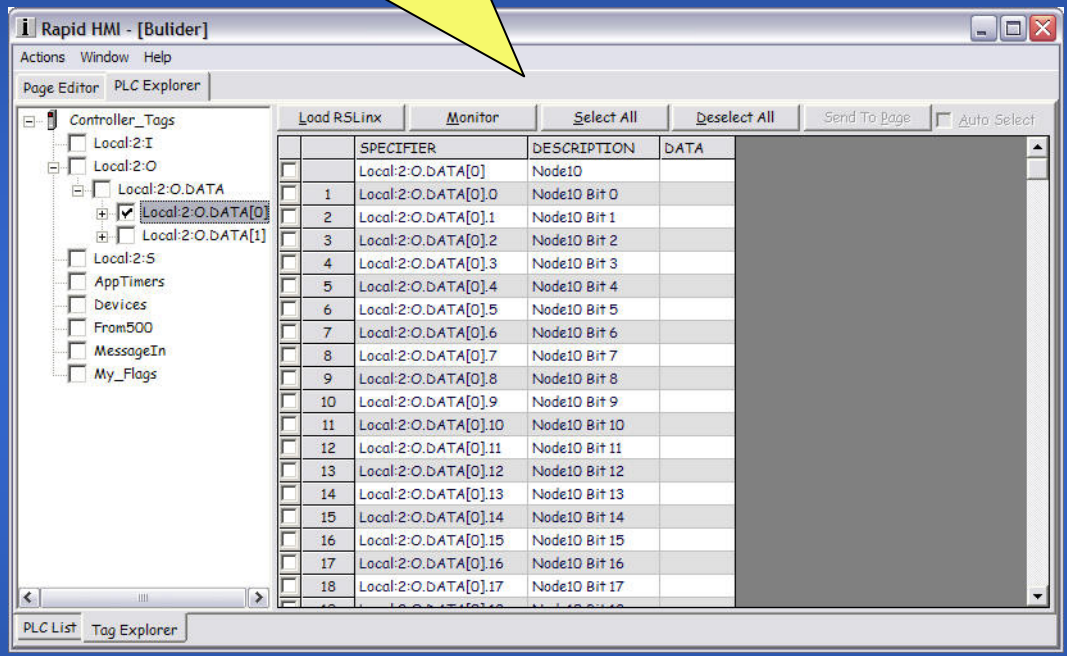


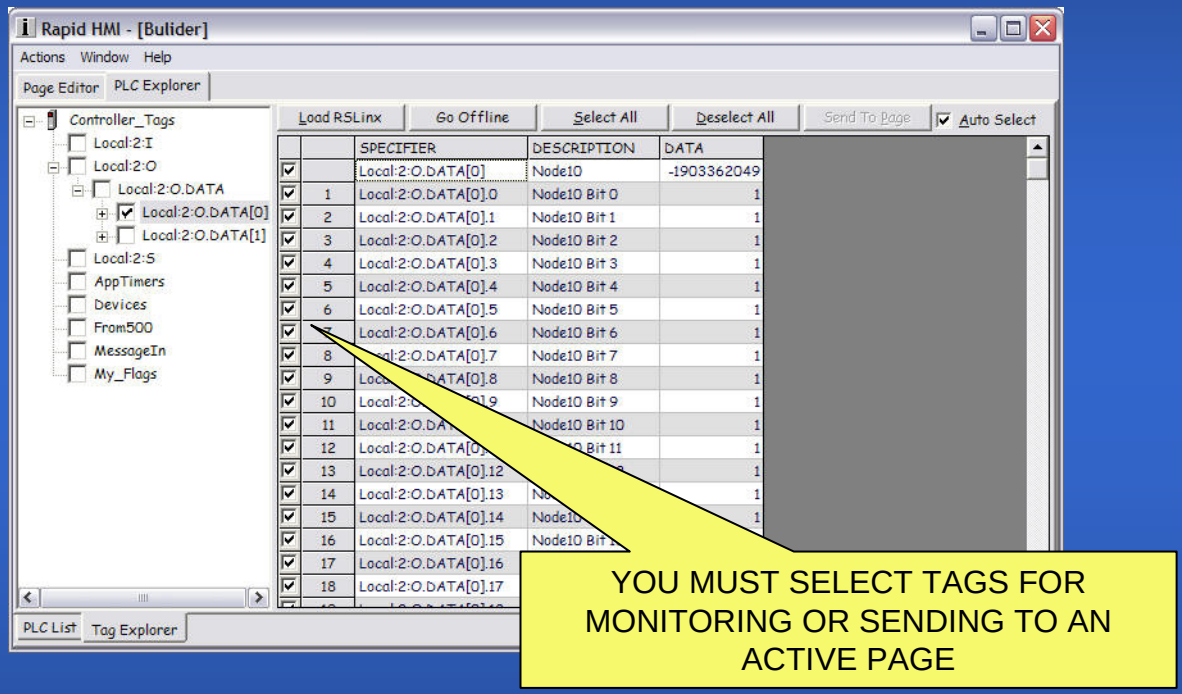
IF YOU WANT TO DELETE A PLC TAG LISTING FROM THE APPLICATION YOU MUST FIRST LOAD IT BEFORE YOU CAN DELETE IT

HERE THE PLC NAME AND THE DDE TOPIC HAVE BEEN UPDATED

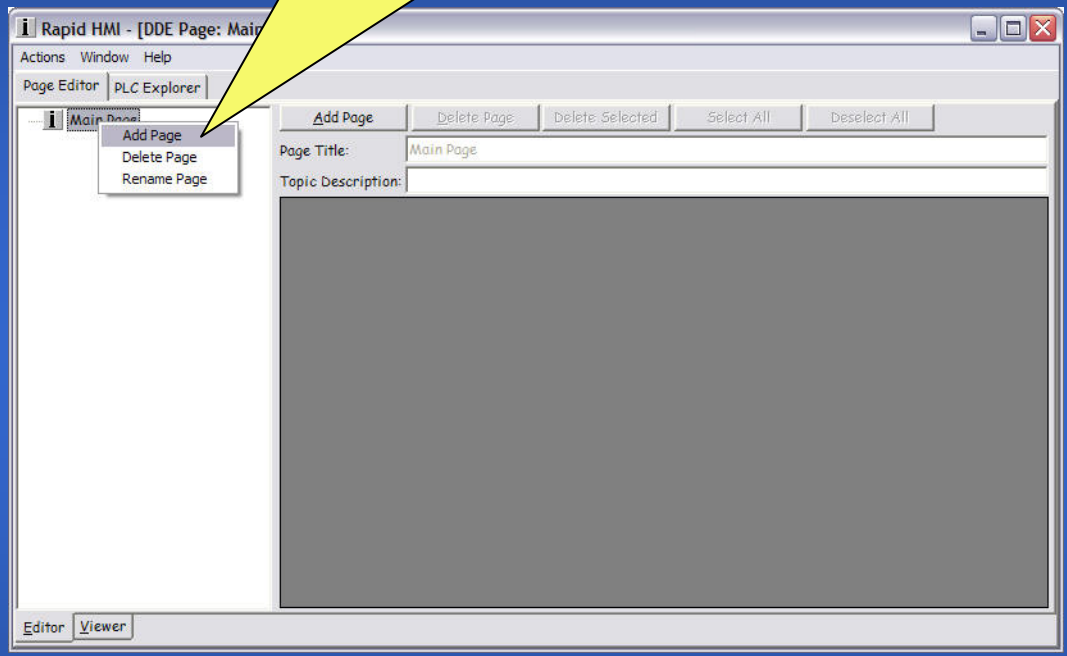


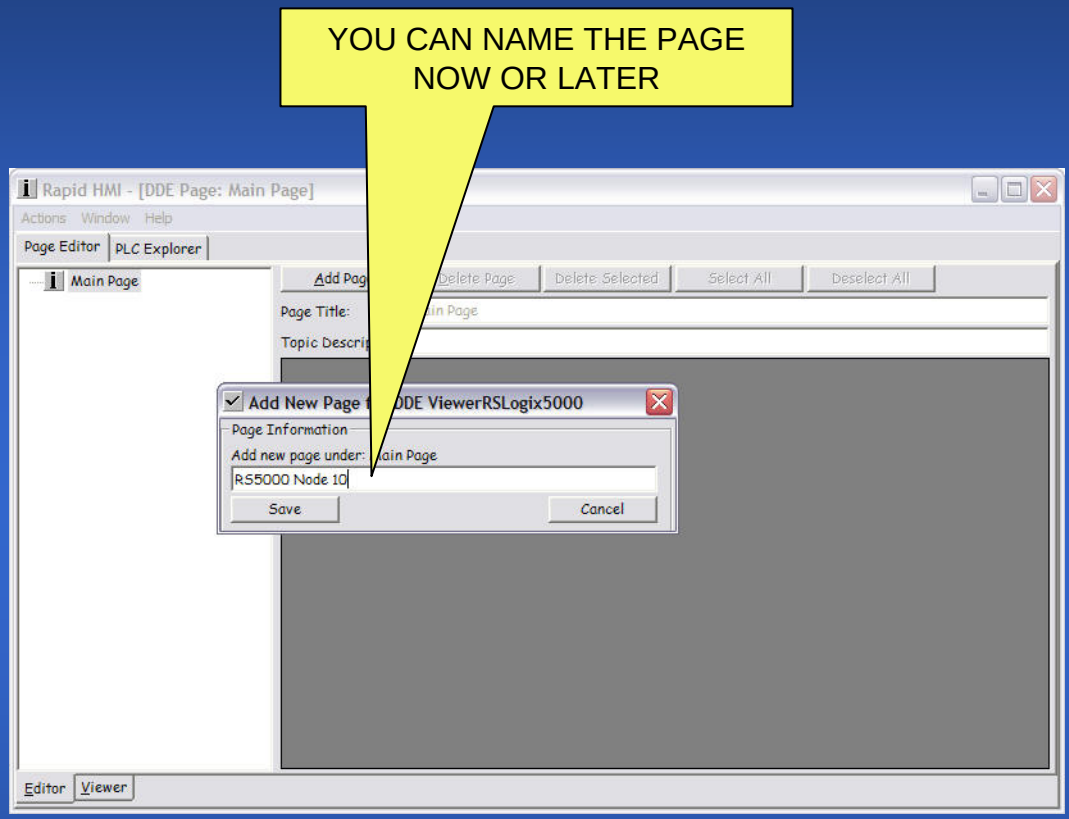
ON THE TAG EXPLORER TAB
YOU CAN MONITOR TAGS AND SEND THEM TO ACTIVE PAGES TO BEGIN BUILDING A PROJECT



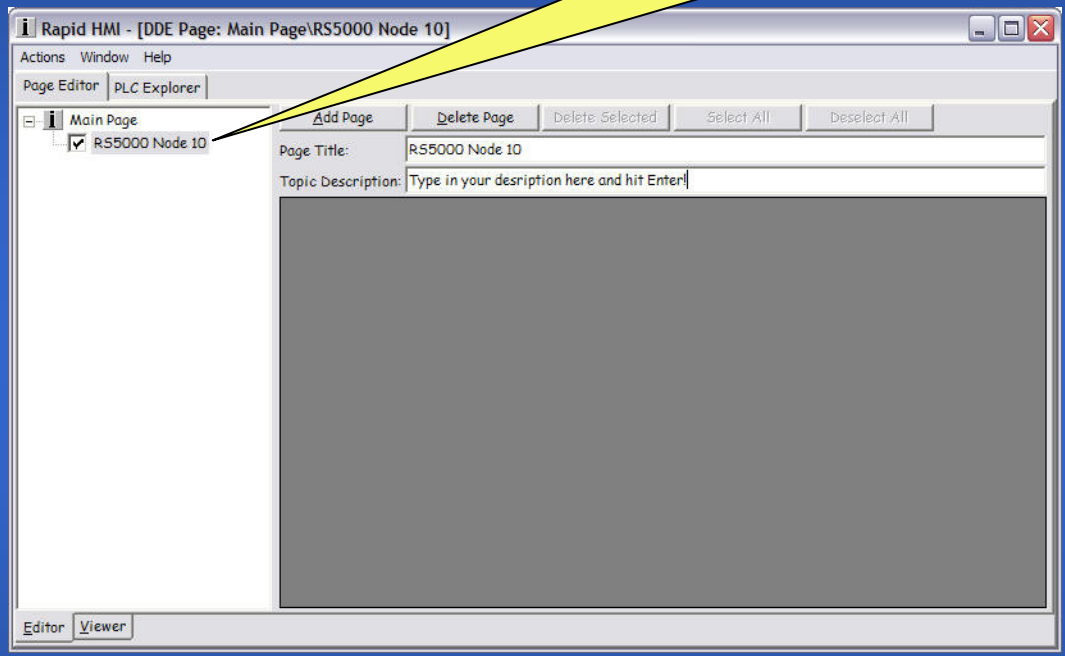

Rapid HMI - [Bulider]
Actions Window Help
Page Editor PLC Explorer
Load RSLinx
Go Offline
Select All
Deselect All
Send To Page
Auto Select
Controller_Tags
Local:2:I
Local:2:O
Local:2:O.DATA
Local:2:O.DATA[0]
Local:2:O.DATA[1]
Local:2:S
AppTimers
Devices
From500
MessageIn
My_Flags
SPECIFIER
DESCRIPTION
DATA
Local:2:O.DATA[0] Node10 -1903362049
Local:2:O.DATA[0].0 Node10 Bit 0 1
Local:2:O.DATA[0].1 Node10 Bit 1 1
Local:2:O.DATA[0].2 Node10 Bit 2 1
Local:2:O.DATA[0].3 Node10 Bit 3 1
Local:2:O.DATA[0].4 Node10 Bit 4 1
Local:2:O.DATA[0].5 Node10 Bit 5 1
Local:2:O.DATA[0].6 Node10 Bit 6 1
Local:2:O.DATA[0].7 Node10 Bit 7 1
Local:2:O.DATA[0].8 Node10 Bit 8 1
Local:2:O.DATA[0].9 Node10 Bit 9 1
Local:2:O.DATA[0].10 Node10 Bit 10 1
Local:2:O.DATA[0].11 Node10 Bit 11 1
Local:2:O.DATA[0].12 1
Local:2:O.DATA[0].13 1
Local:2:O.DATA[0].14 1
Local:2:O.DATA[0].15
Local:2:O.DATA[0].16
Local:2:O.DATA[0].17
PLC List
Tag Explorer
YOU MUST SELECT TAGS FOR MONITORING OR SENDING TO AN ACTIVE PAGE

TO BUILD A PROJECT YOU NEED TO
START ADDING PAGES
RIGHT CLICK ON THE TREE AND SELECT
“Add Page” OR CLICK ON THE BUTTON



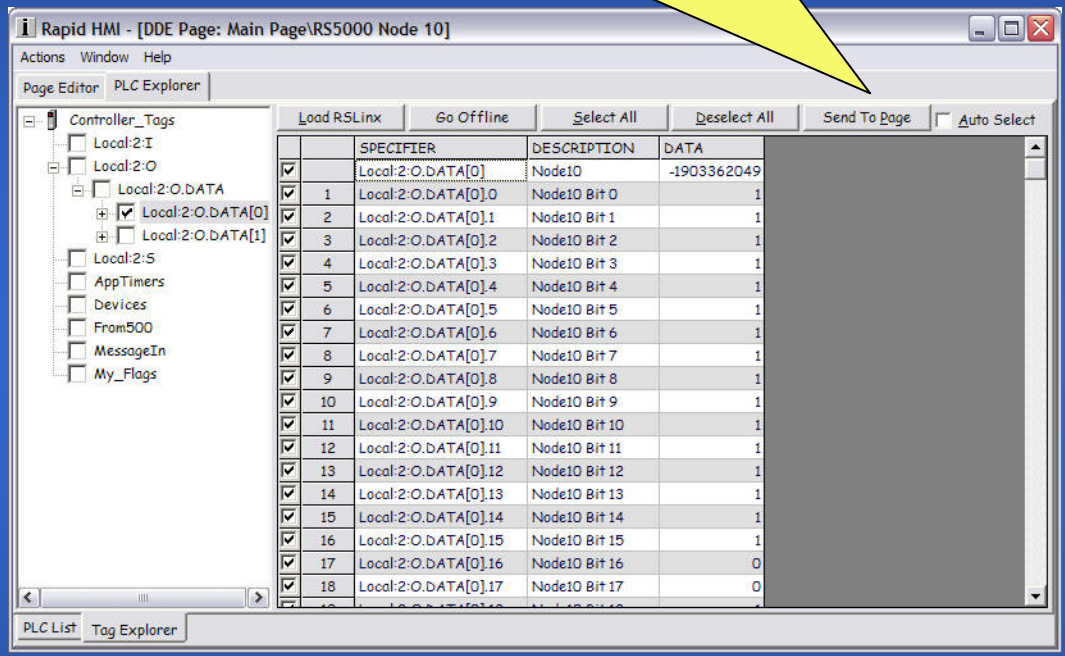

YOU CAN NAME THE PAGE
NOW OR LATER
Rapid HMI - [DDE Page: Main Page]
Actions Window Help
Page Editor
PLC Explorer
Main Page
Add Pag
Delete Page
Delete Selected
Select All
Deselect All
Page Title:
Topic Descri
Add New Page
DDE ViewerRSLogix5000
Page Information
Add new page under:
RS5000 Node 10
Save
Cancel
Editor
Viewer

AFTER YOU ADD A PAGE YOU MUST SELECT THE PAGE NOTICE THE TITLE OF THE APPLICATION



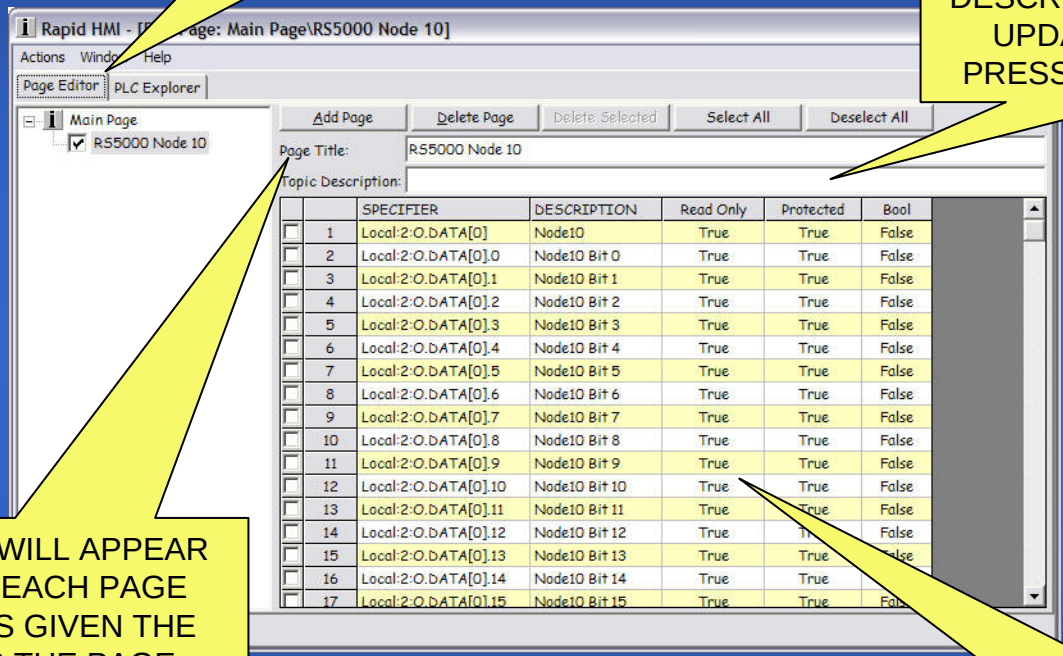
THE TITLE OF THE APPLICATION TELLS YOU WHAT PAGE IS CURRENTLY SELECTED.

ONCE YOU HAVE SELECTED TAGS YOU CAN SEND THEM TO THE ACTIVE PAGE



IN THE PAGE EDITOR YOU MAY EDIT THE PROPERTIES OF THE TAGS ON THE PAGE

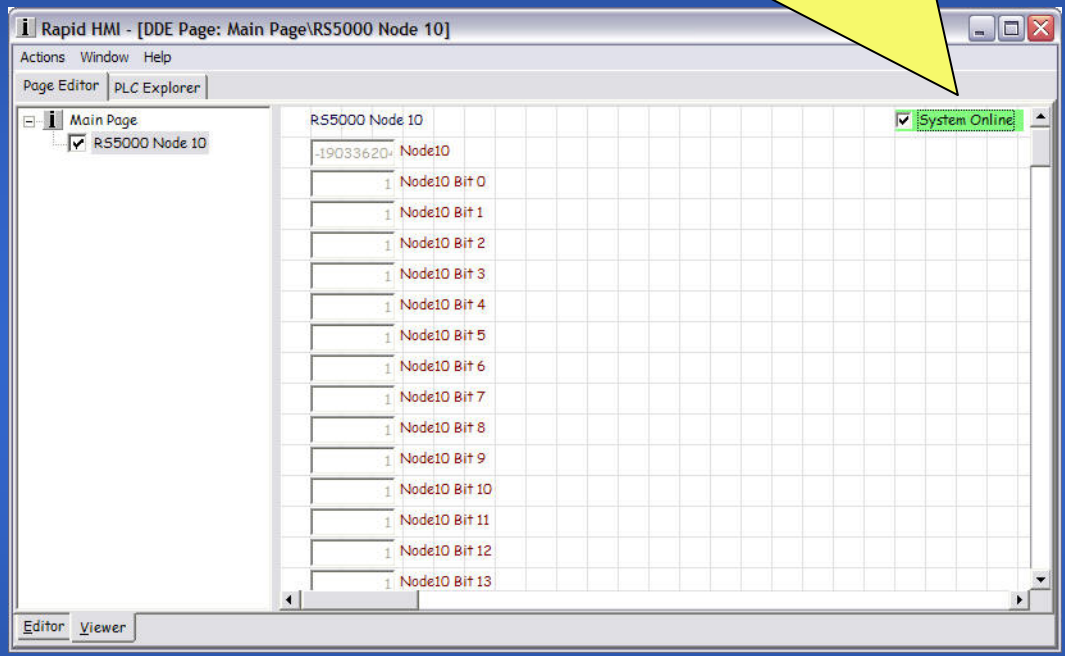
YOU CAN CHANGE THE DESCRIPTION OF A TAG AND UPDATE THE VALUE BY PRESSING THE ENTER KEY



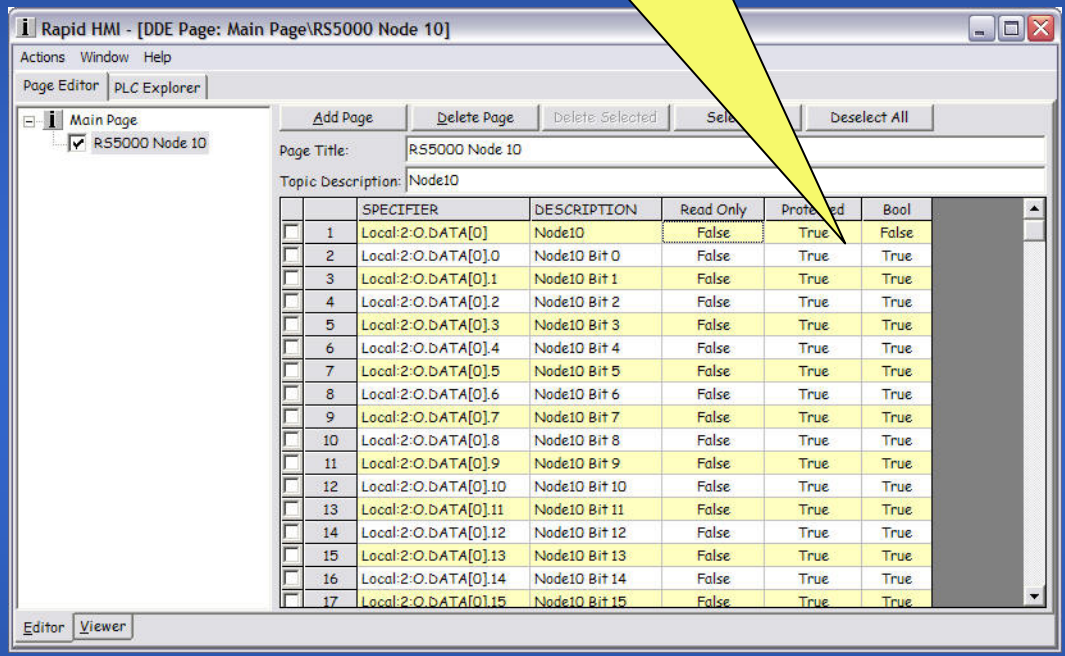
THE PAGE TITLE WILL APPEAR AT THE TOP OF EACH PAGE BY DEFAULT IT IS GIVEN THE SAME NAME AS THE PAGE YOU MAY EDIT THE TITLE AND COMMIT THE CHANGES WITH THE ENTER KEY

A SINGLE MOUSE CLICK WILL TOGGLE THE VALUES OF THESE FIELDS

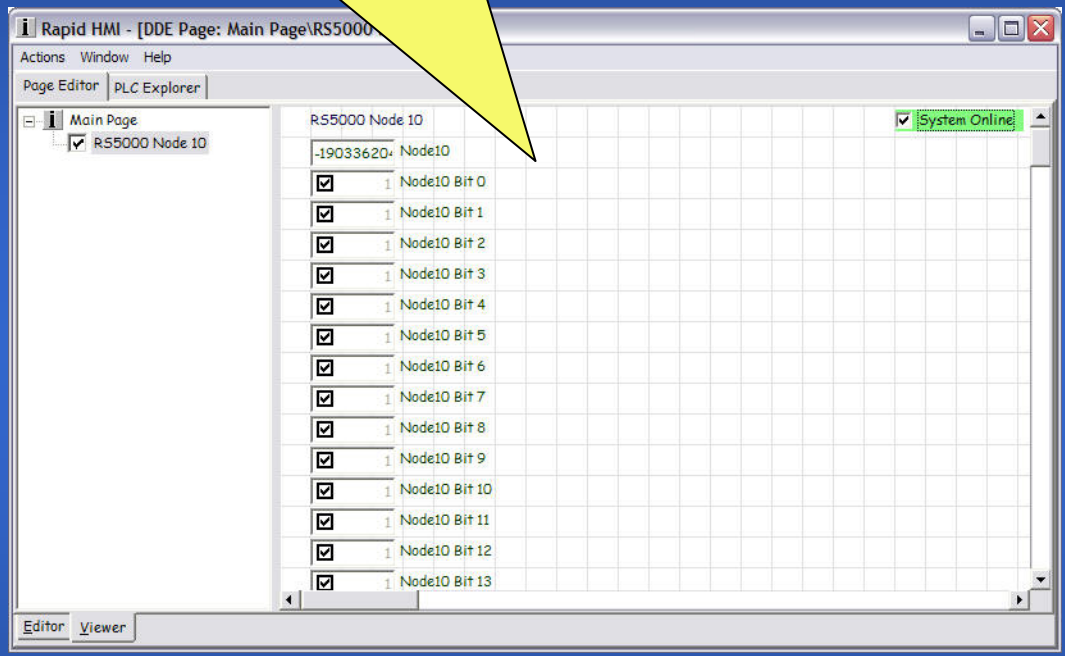
IN THE VIEWER YOU CAN SEE WHAT YOUR PROJECT WILL LOOK LIKE.
RED TEXT INDICATES THE TAGS ARE READ ONLY.
CHECK “System Online” TO GO LIVE



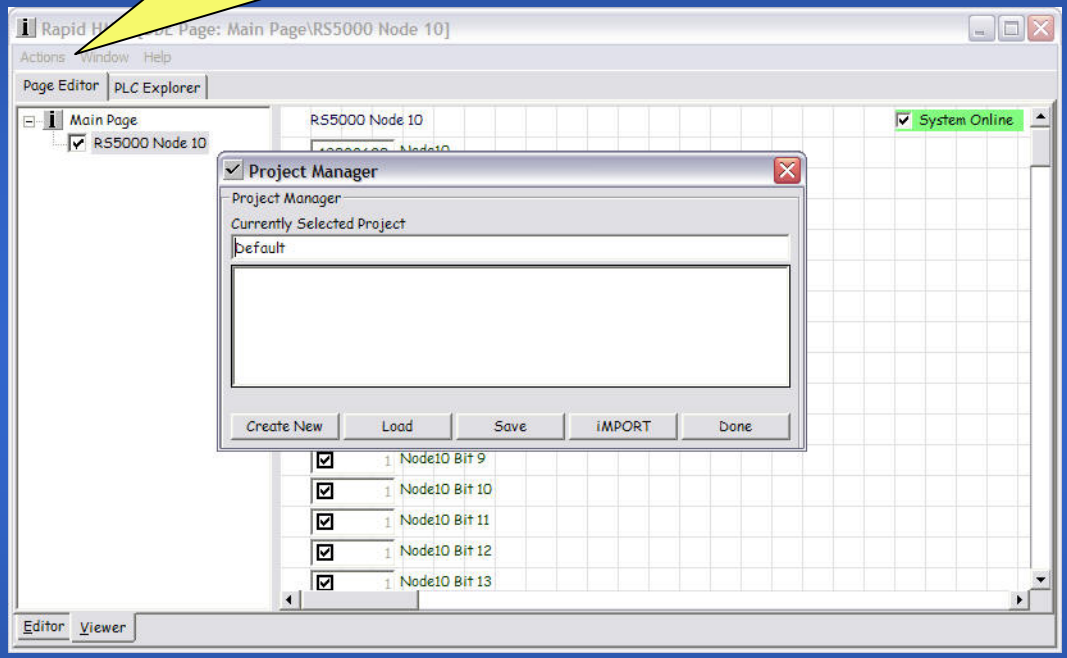
HERE THE FIELDS FOR THE TAGS HAVE BEEN CHANGED



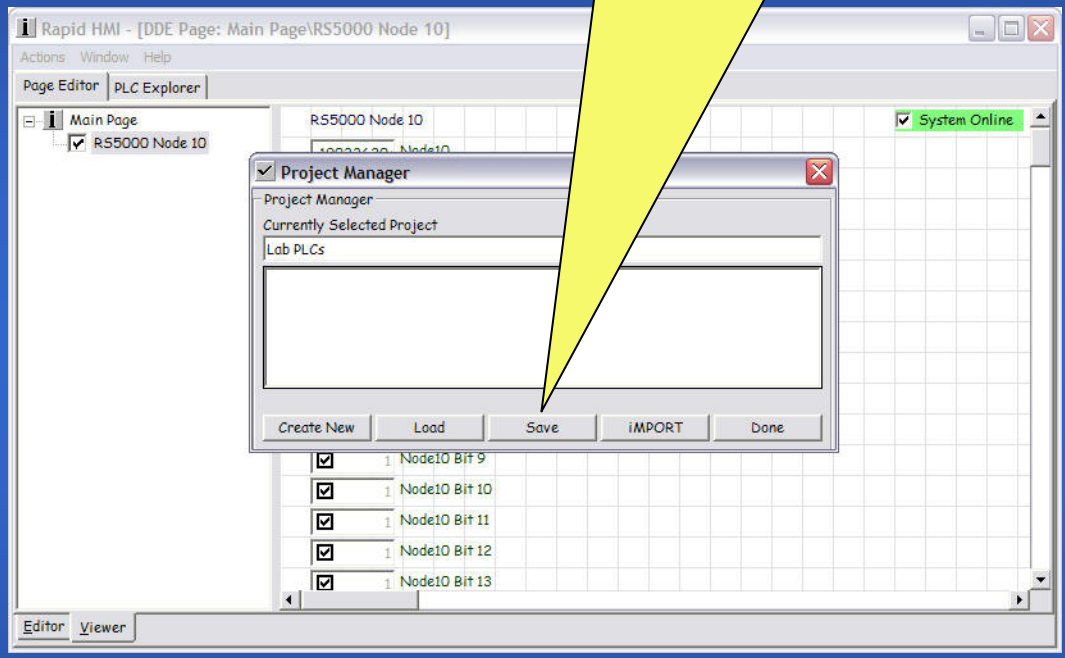
THE VIEWER SHOWS THAT THE TAGS ARE NOW BOOLEAN AND THEY HAVE READ/WRITE ACCESS



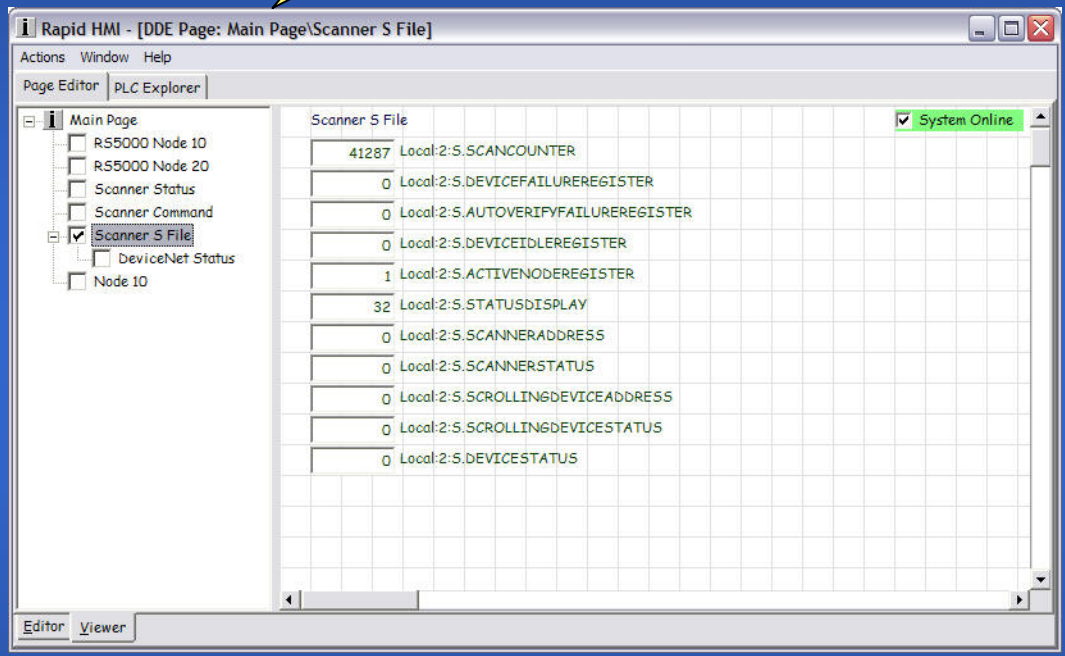
FROM THE MENU SELECT MANAGE PROJECTS



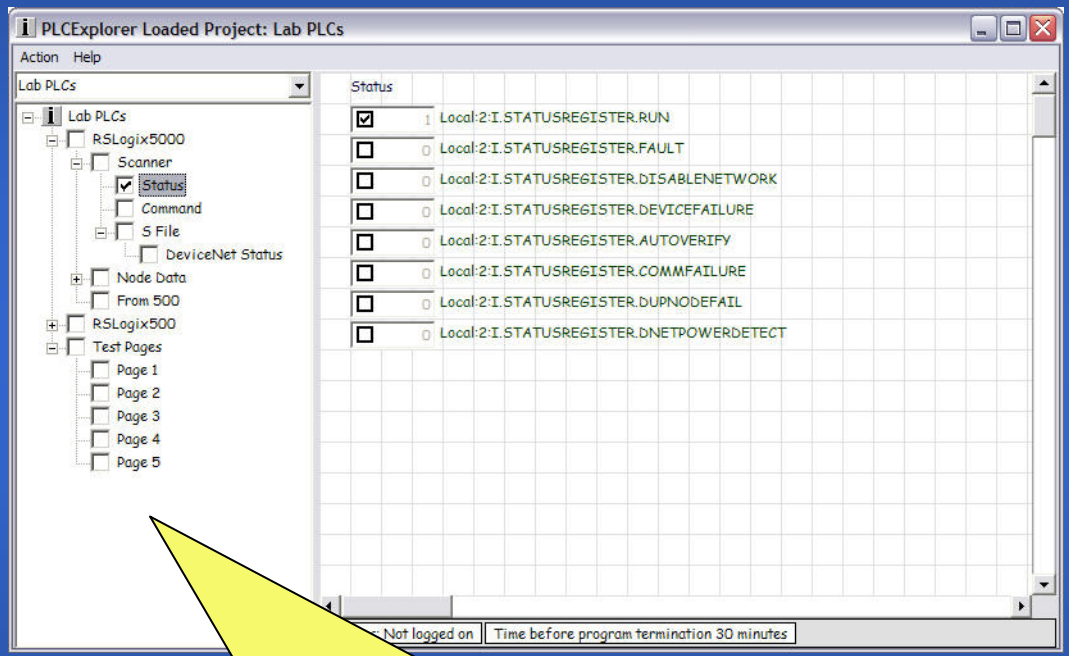
CHANGE THE NAME FROM DEFAULT TO THE NAME YOU WISH TO USE AND CLICK ON SAVE THIS WILL CREATE A FINISHED PROJECT



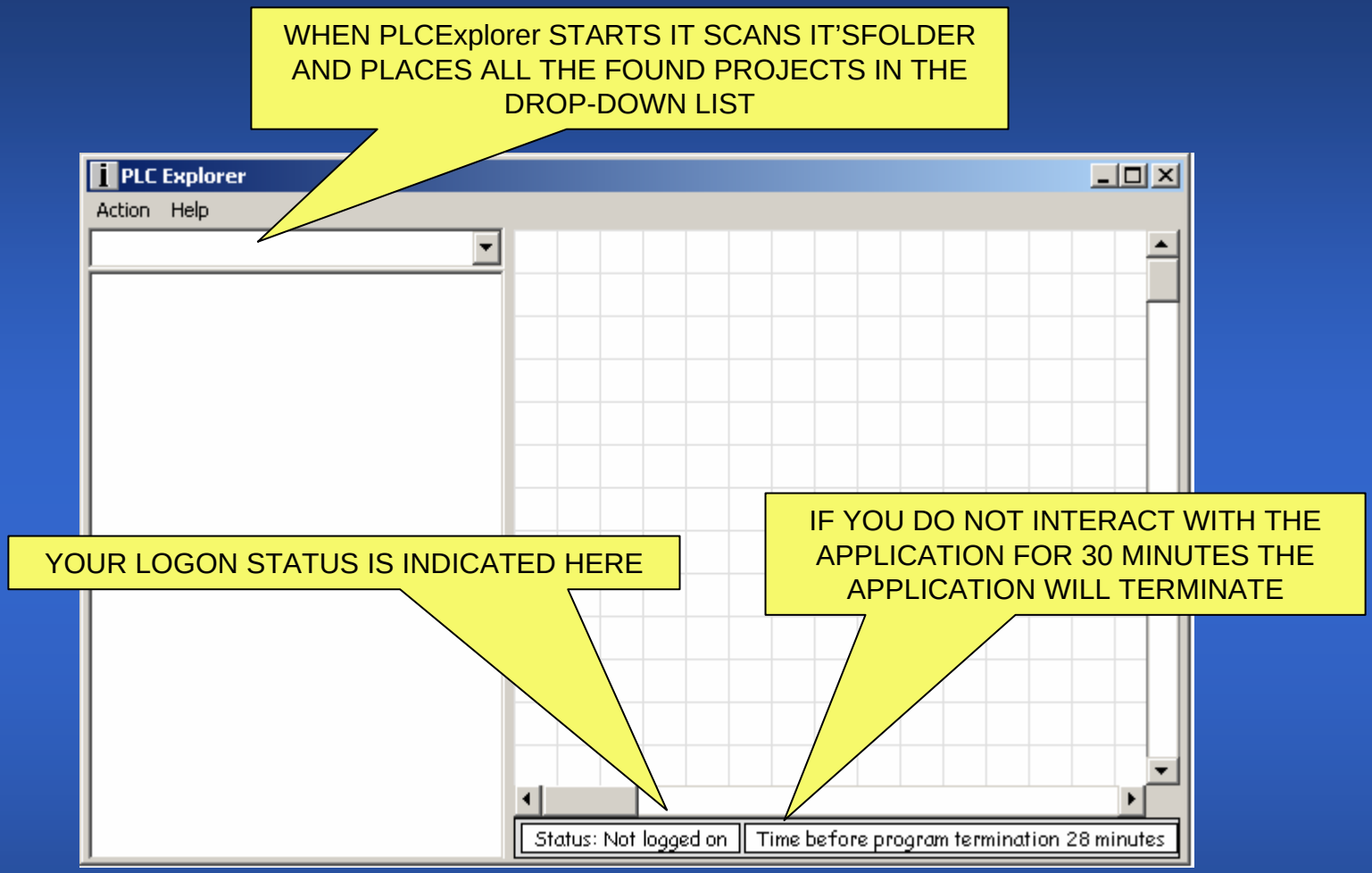
HERE IS A SAMPLE OF A FINISHED PROJECT



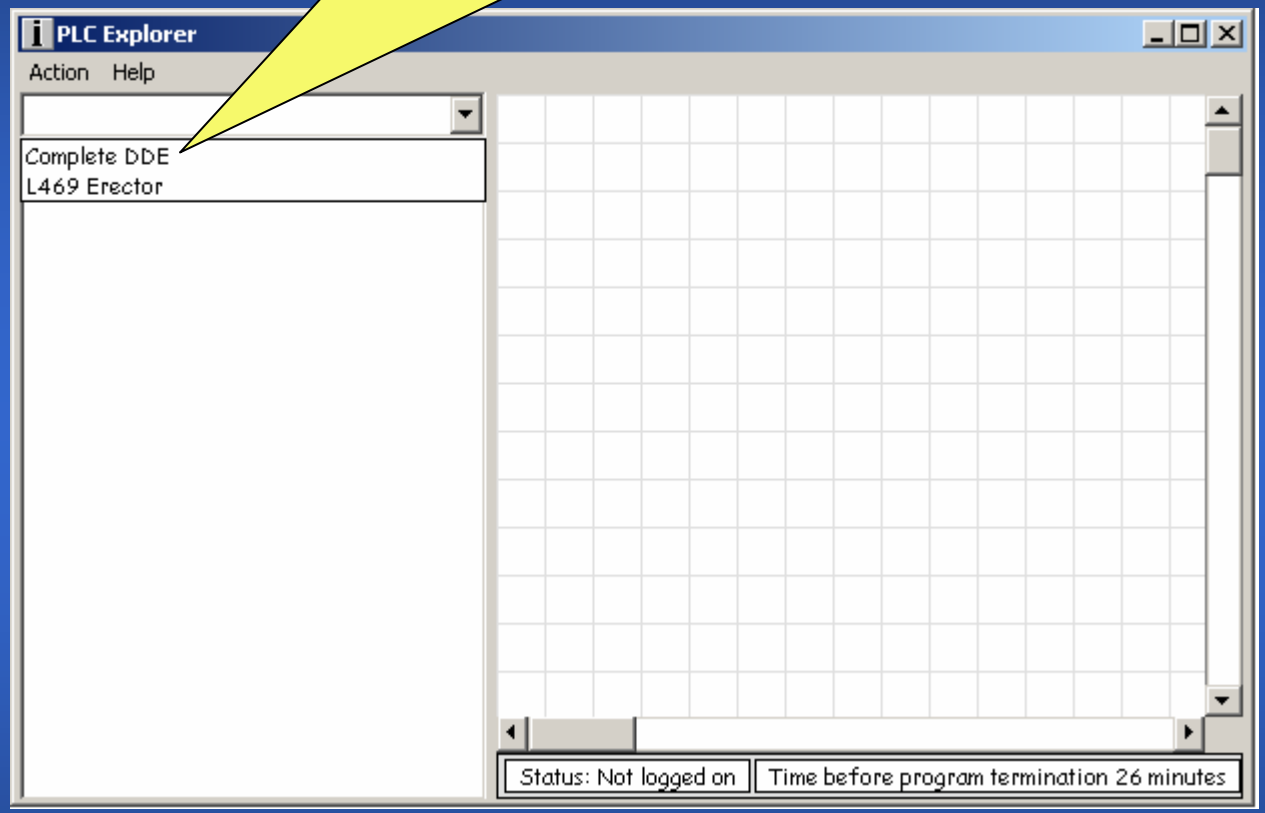
NOW THAT YOU HAVE CREATED A PROJECT IN RapidHMI IT'S TIME TO LEARN PLCExplorer

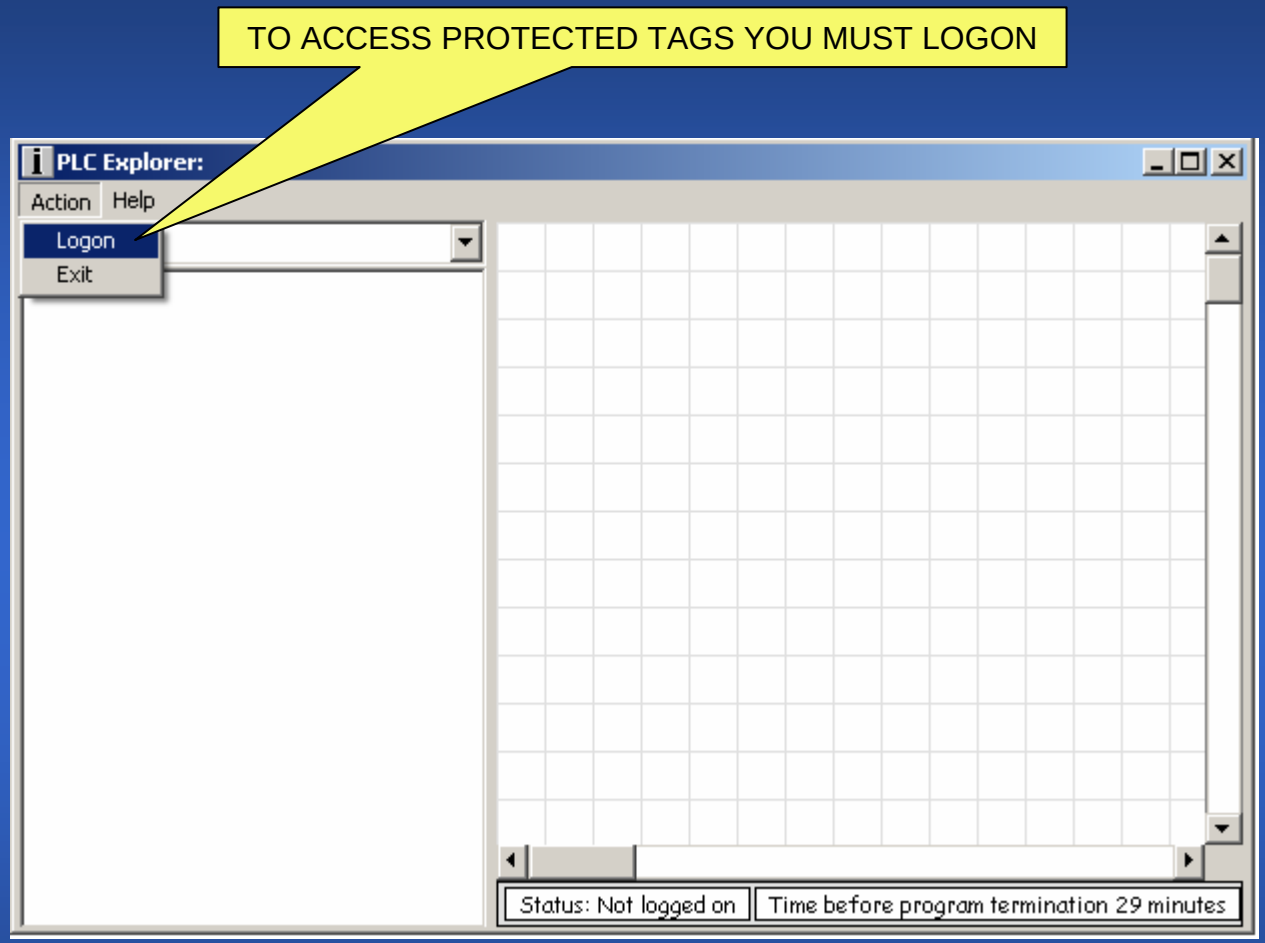


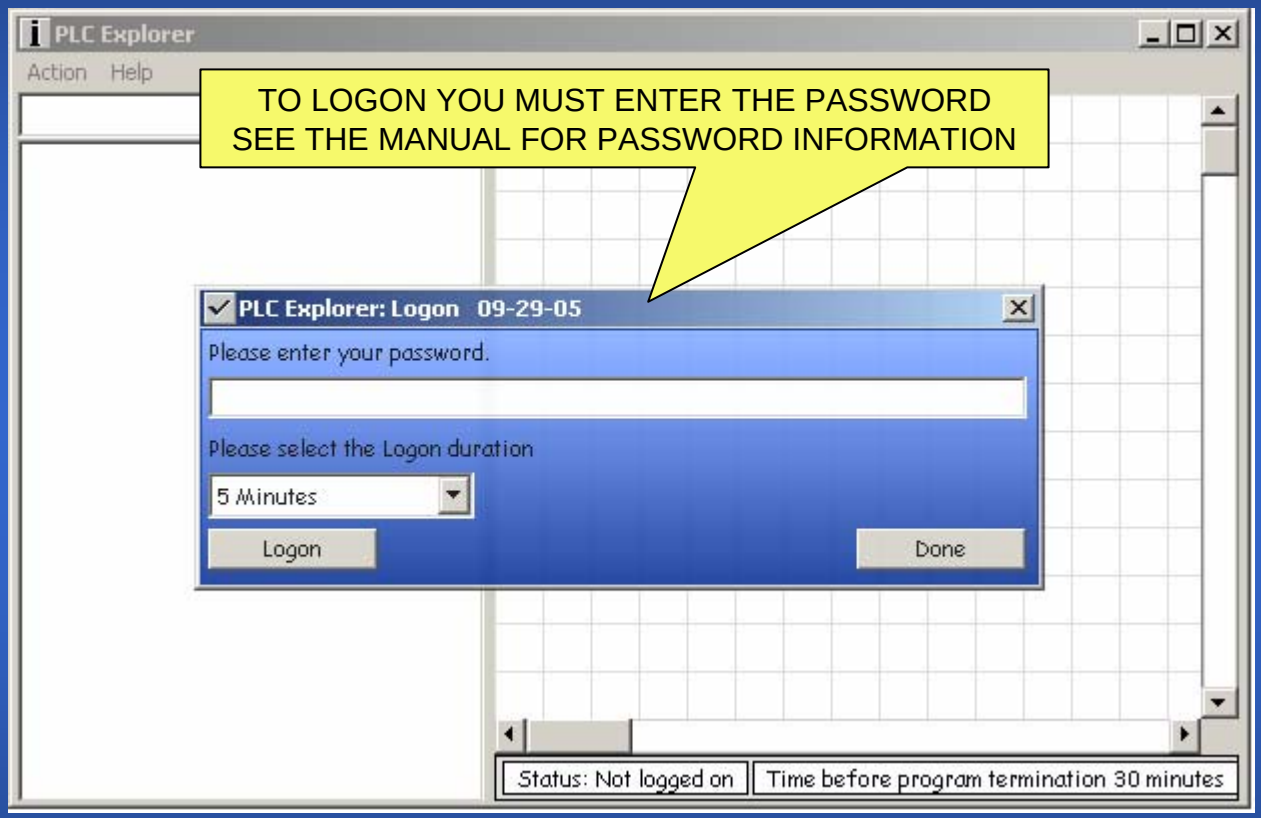
MOVE YOUR FINISHED PROJECTS TO THE SAME FOLDER AS PLCExplorer

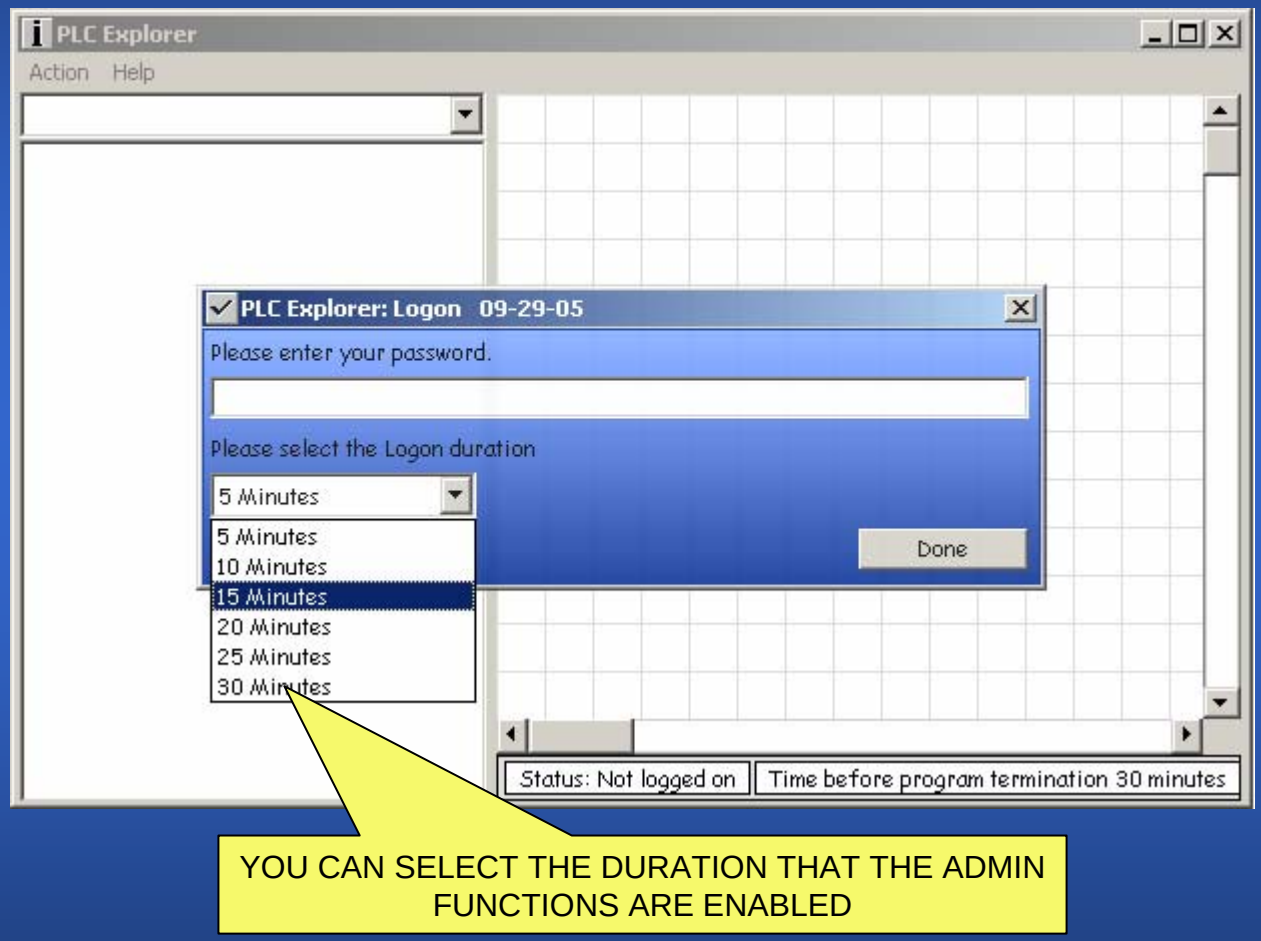

WHEN PLCExplorer STARTS IT SCANS IT'SFOLDER AND PLACES ALL THE FOUND PROJECTS IN THE DROP-DOWN LIST
PLC Explorer
Action
Help
YOUR LOGON STATUS IS INDICATED HERE
IF YOU DO NOT INTERACT WITH THE APPLICATION FOR 30 MINUTES THE APPLICATION WILL TERMINATE
Status: Not logged on
Time before program termination 28 minutes

SELECT A PROJECT TO RUN
THE APPLICATION ASSUMES RSLinx IS RUNNING
AND AUTOMATICALLY GOES ONLINE

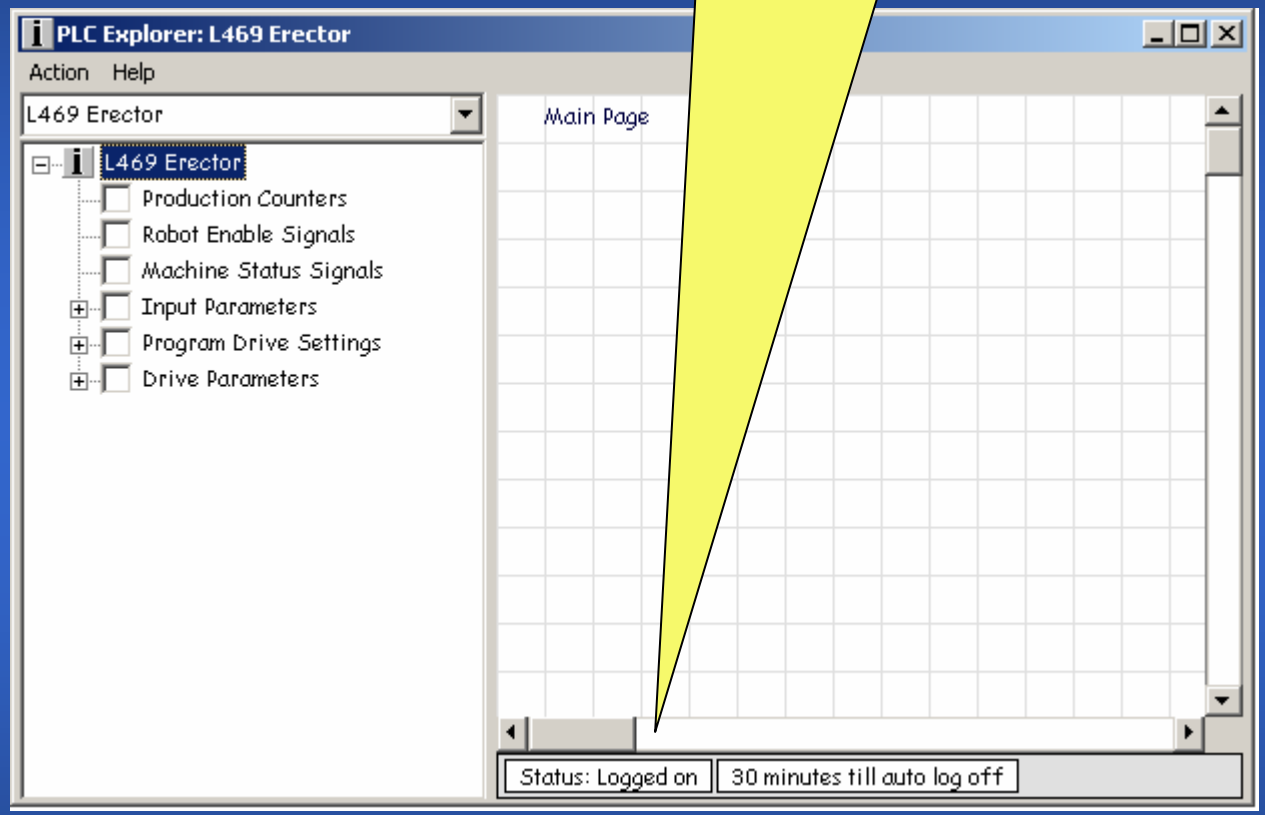



TO ACCESS PROTECTED TAGS YOU MUST LOGON
PLC Explorer:
Action
Help
Logon
Exit
Status: Not logged on
Time before program termination 29 minutes

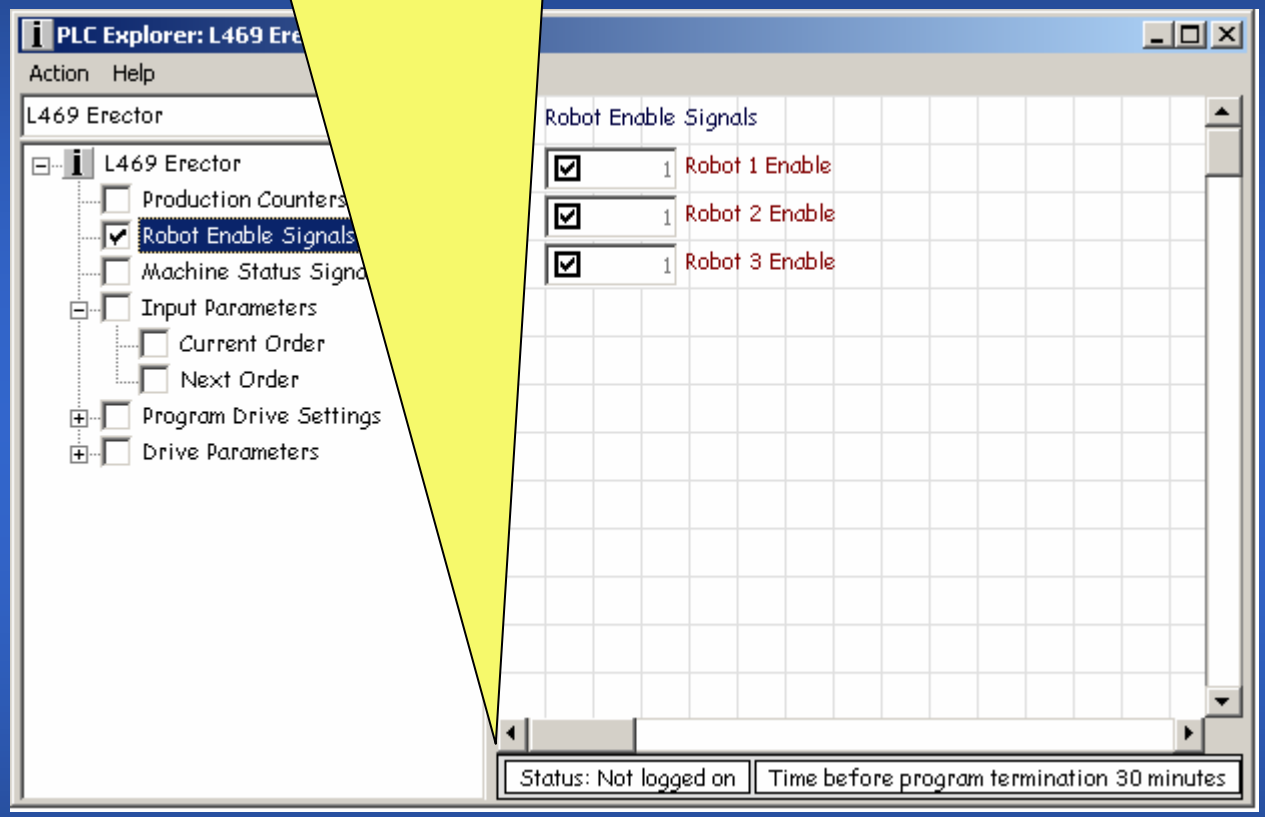

PLC Explorer
Action Help
TO LOGON YOU MUST ENTER THE PASSWORD
SEE THE MANUAL FOR PASSWORD INFORMATION
PLC Explorer: Logon 09-29-05
Please enter your password.
Please select the Logon duration
5 Minutes
Logon
Done
Status: Not logged on
Time before program termination 30 minutes


PLC Explorer
Action Help
PLC Explorer: Logon 09-29-05
Please enter your password.
Please select the Logon duration
5 Minutes
5 Minutes
10 Minutes
15 Minutes
20 Minutes
25 Minutes
30 Minutes
Done
Status: Not logged on
Time before program termination 30 minutes
YOU CAN SELECT THE DURATION THAT THE ADMIN FUNCTIONS ARE ENABLED

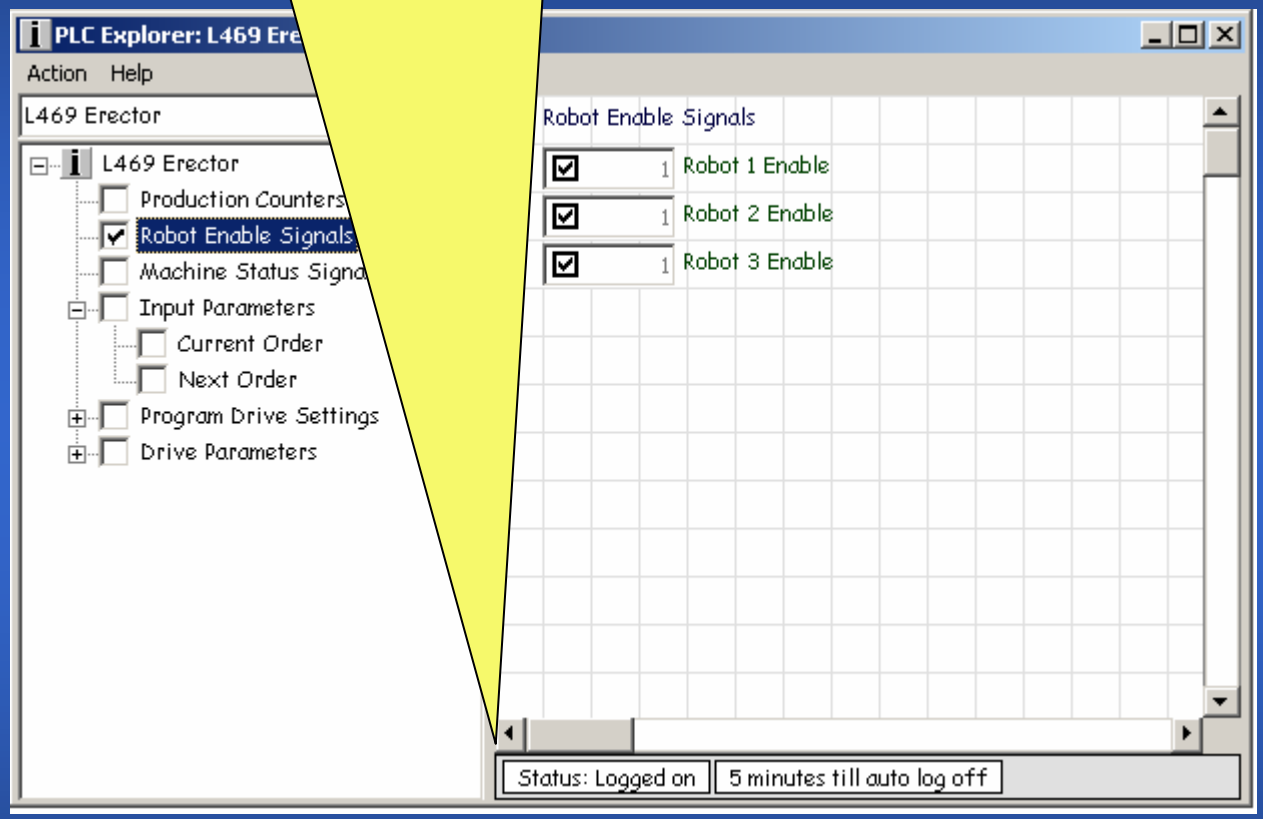
THE STATUS INDICATES THAT
YOU ARE LOGGED ON
AND THE DURATION LEFT FOR LOGGED ON



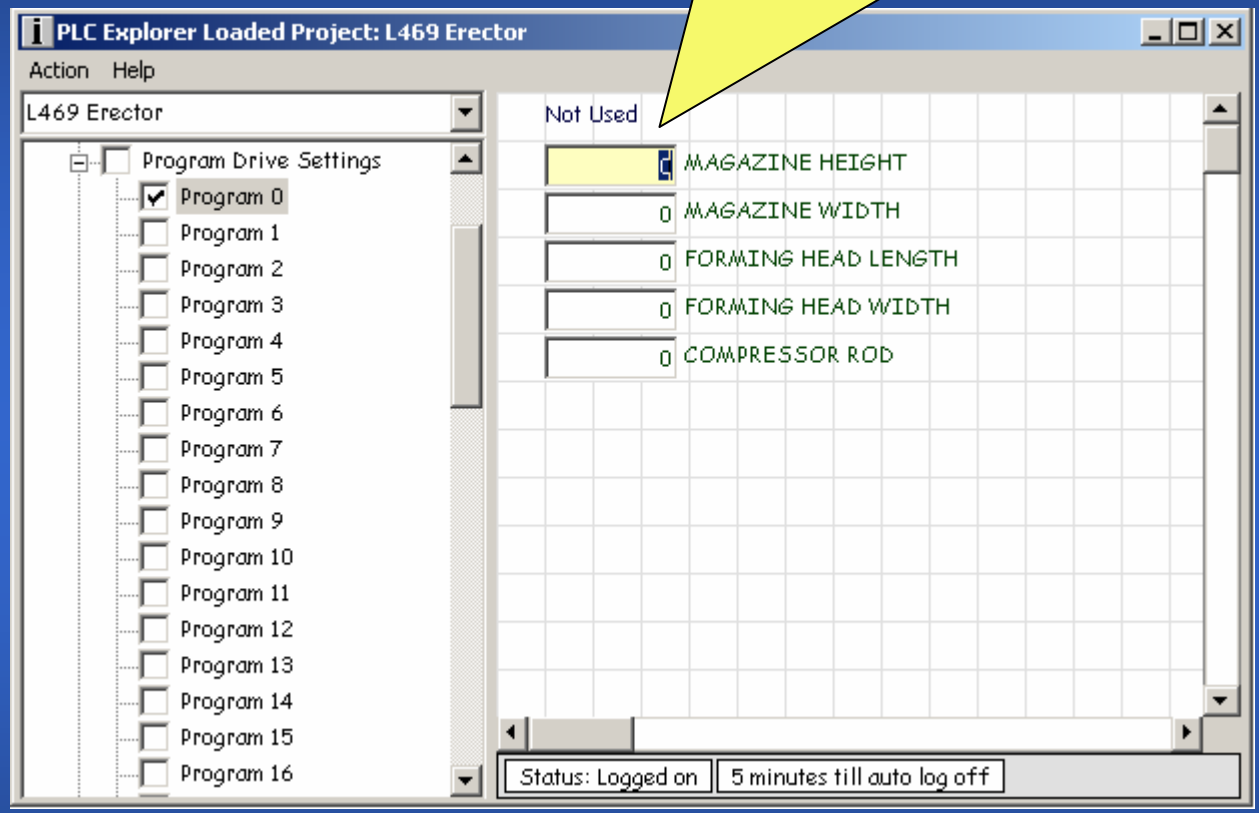
THIS PAGE DISPLAYS A PROJECT WITH PROTECTED TAGS.
NOTE THE STATUS IS NOT LOGGED ON
THE TAGS ARE LABELED IN RED – READ ONLY



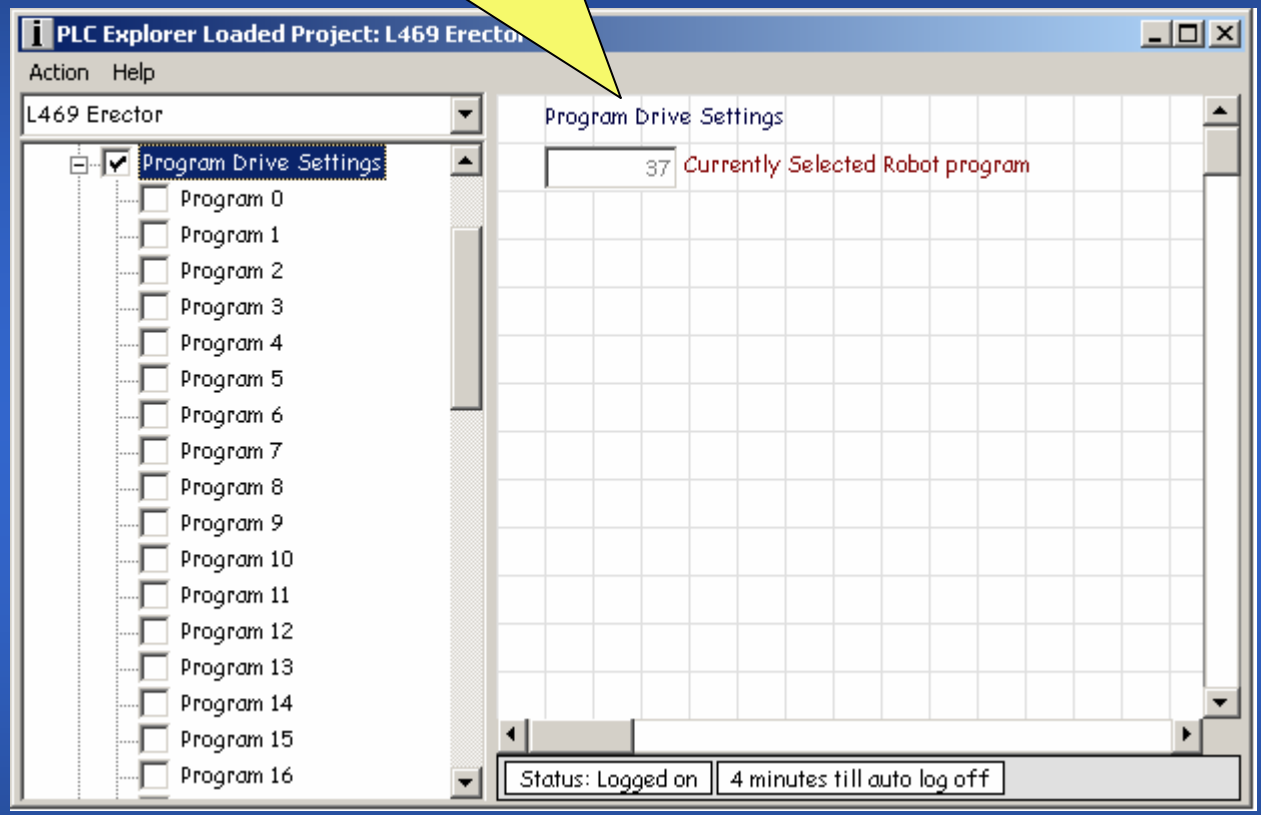
THIS PAGE DISPLAYS A PROJECT WITH PROTECTED TAGS.
NOTE THE STATUS IS LOGGED ON
THE TAGS ARE LABELED IN GREEN – READ/WRITE ACCESS

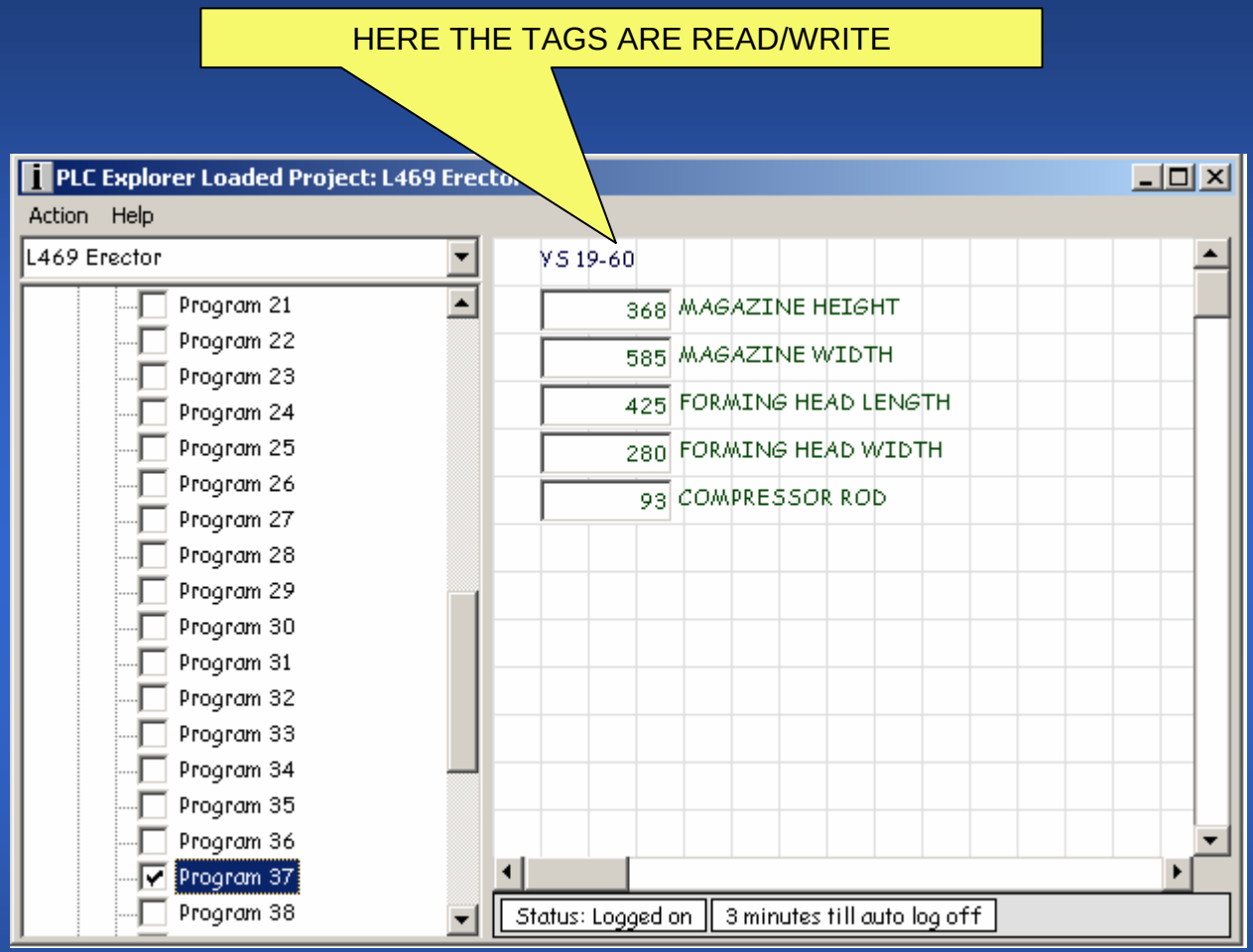


TO CHANGE A VALUE SELECT THE TAG
ENTER THE NEW VALUE
COMMIT WITH THE ENTER KEY

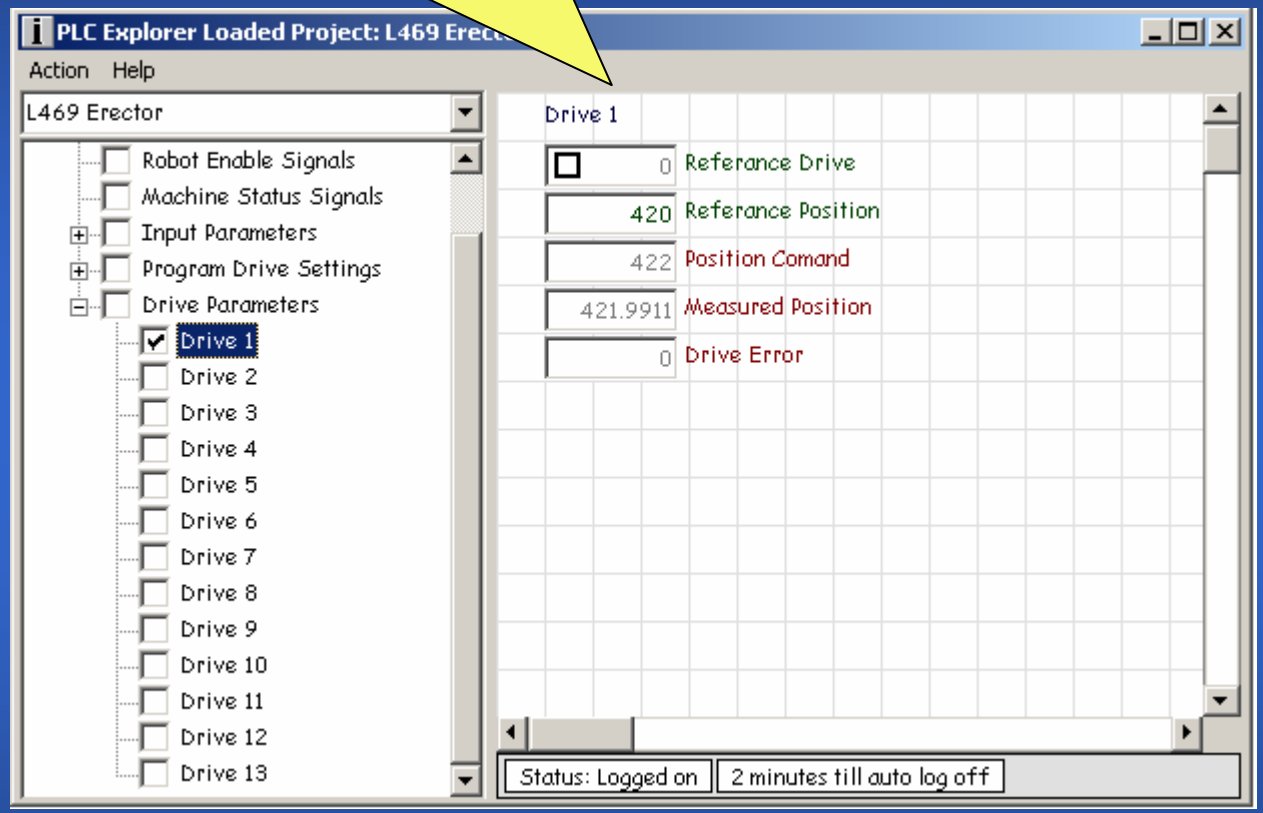


HERE THE TAG IS READ ONLY




HERE THE TAGS ARE READ/WRITE
PLC Explorer Loaded Project: L469 Erecto
Action
Help
L469 Erector
Program 21
Program 22
Program 23
Program 24
Program 25
Program 26
Program 27
Program 28
Program 29
Program 30
Program 31
Program 32
Program 33
Program 34
Program 35
Program 36
Program 37
Program 38
VS 19-60
368 MAGAZINE HEIGHT
585 MAGAZINE WIDTH
425 FORMING HEAD LENGTH
280 FORMING HEAD WIDTH
93 COMPRESSOR ROD
Status: Logged on
3 minutes till auto log off

HERE THE TAGS ARE A MIXTURE OF
READ/WRITE AND READ ONLY



WE HOPE THIS GIVES YOU ENOUGH OF AN IDEA
ABOUT THE USAGE OF
RapidHMI
AND
PLCExplorer

THANKS FOR YOUR TIME!