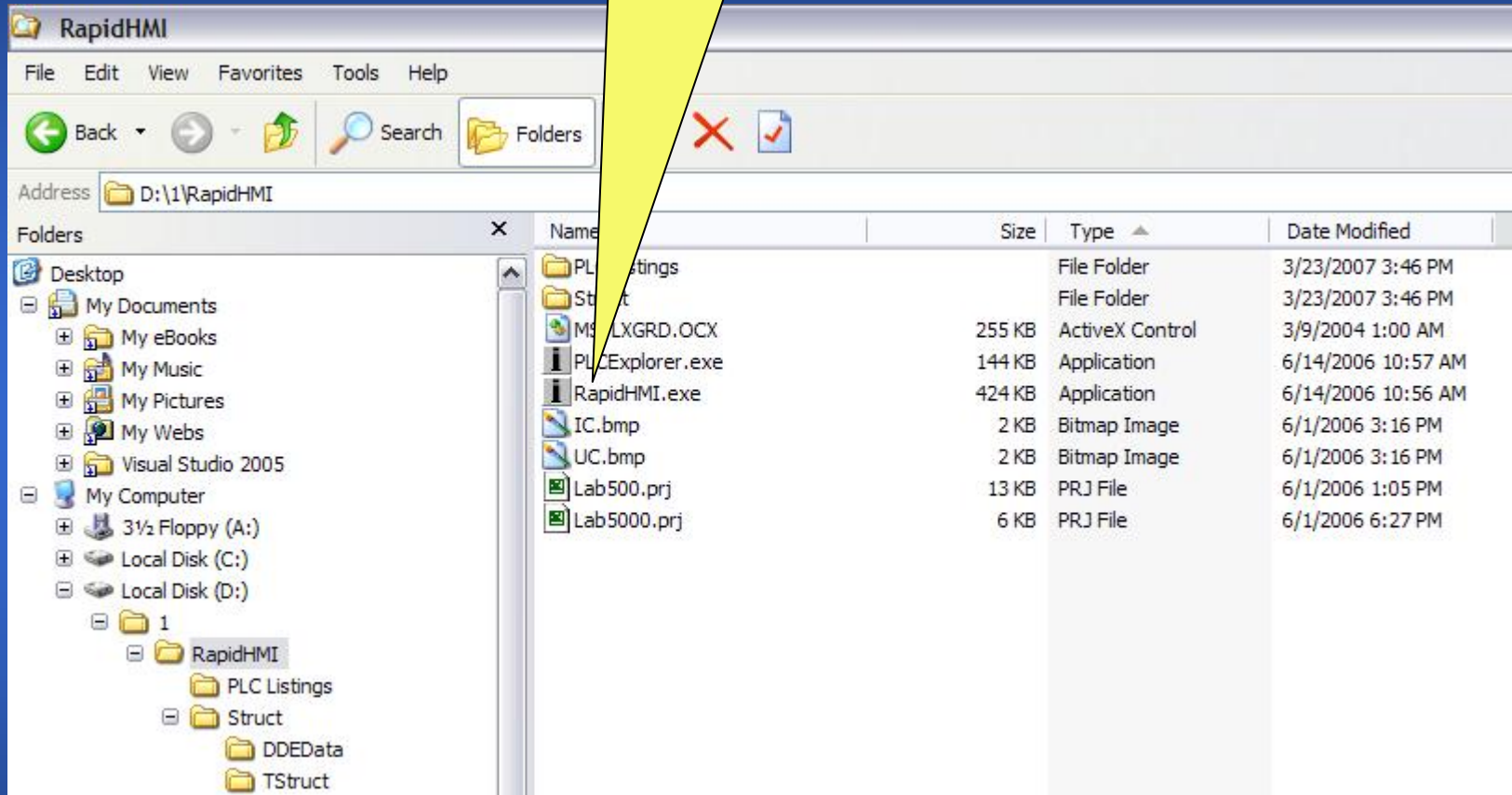


INTRODUCING
RapidHMI
AND
PLCExplorer

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

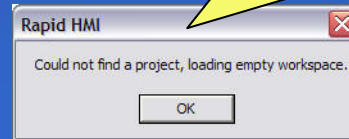
AFTER YOU EXTRACT THE
ZIP FILE RUN THE
APPLICATION RapidHMI.exe



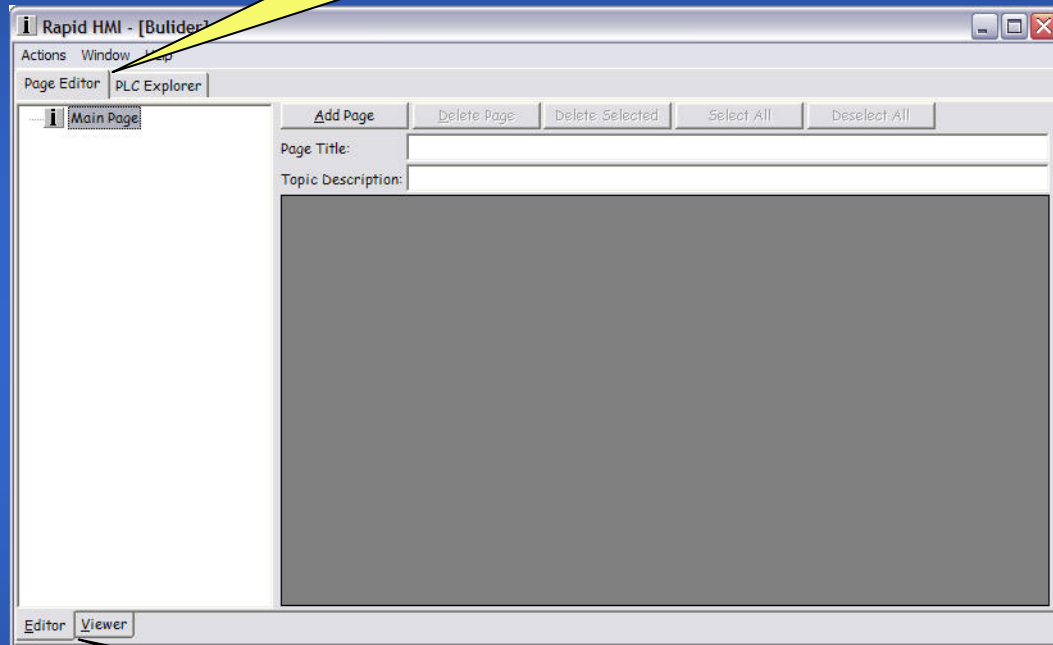
THE LAST PROJECT WORKED ON IS ALWAYS LOADED.

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

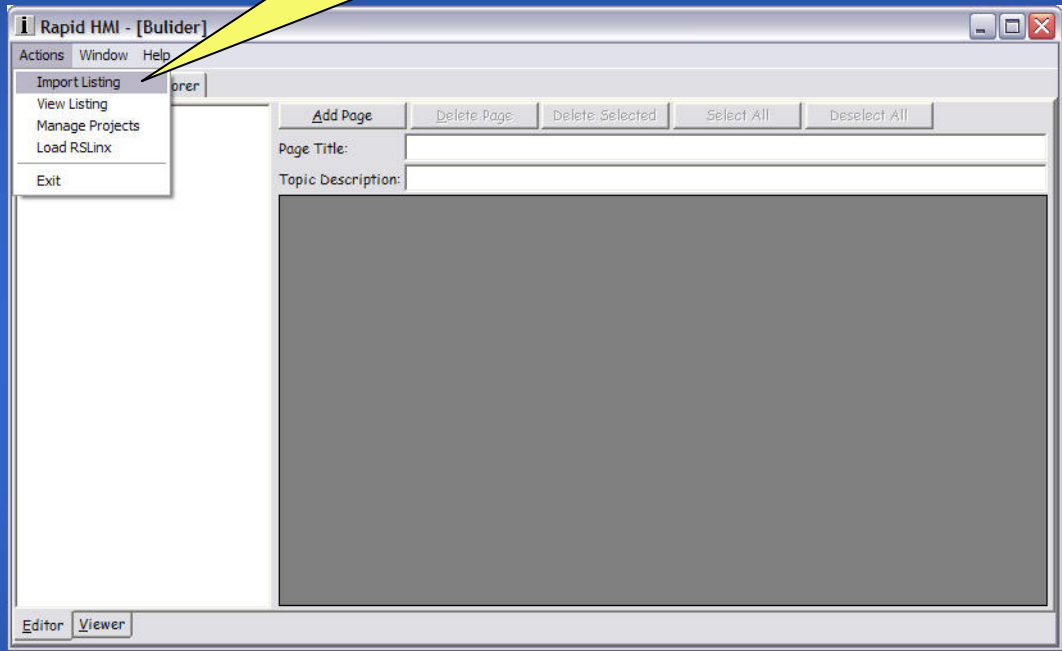


HERE ARE THE TWO MAIN
FUNCTIONS OF THE
APPLICATION

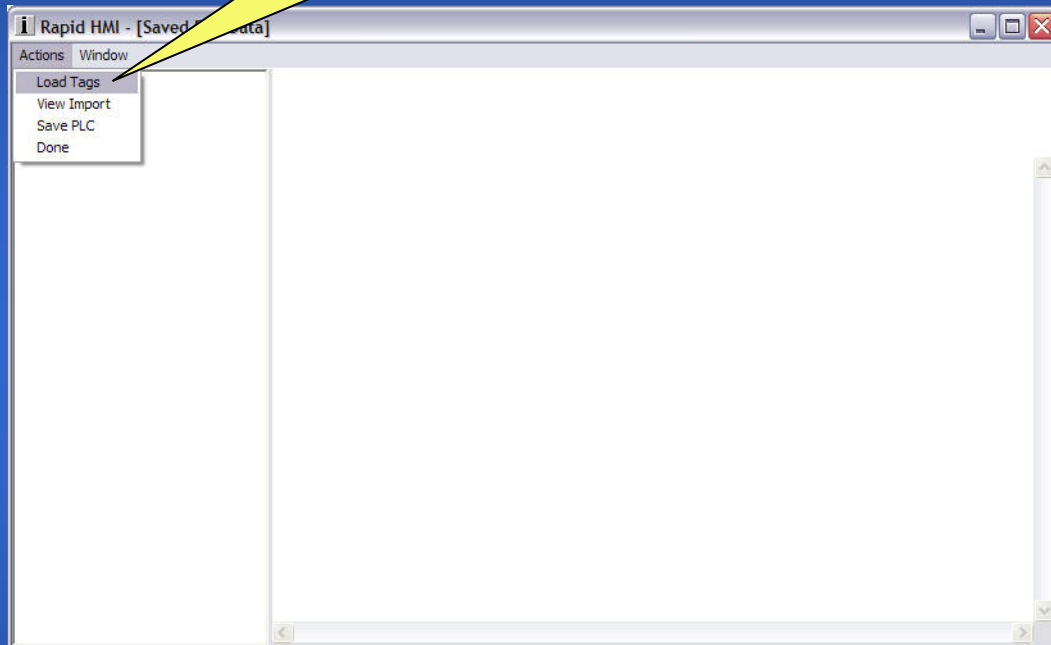


EACH MAIN FUNCTION HAS
TWO SUB FUNCTIONS

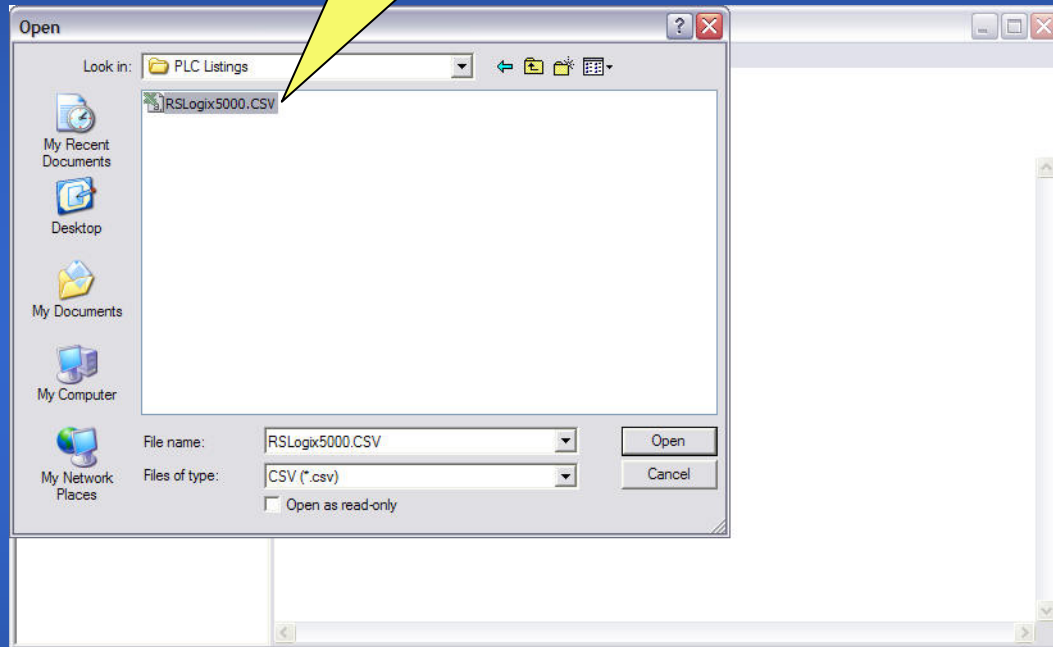
IN ORDER TO BUILD A PROJECT
YOU MUST IMPORT A PLC TAG
LISTING FROM RSLogix



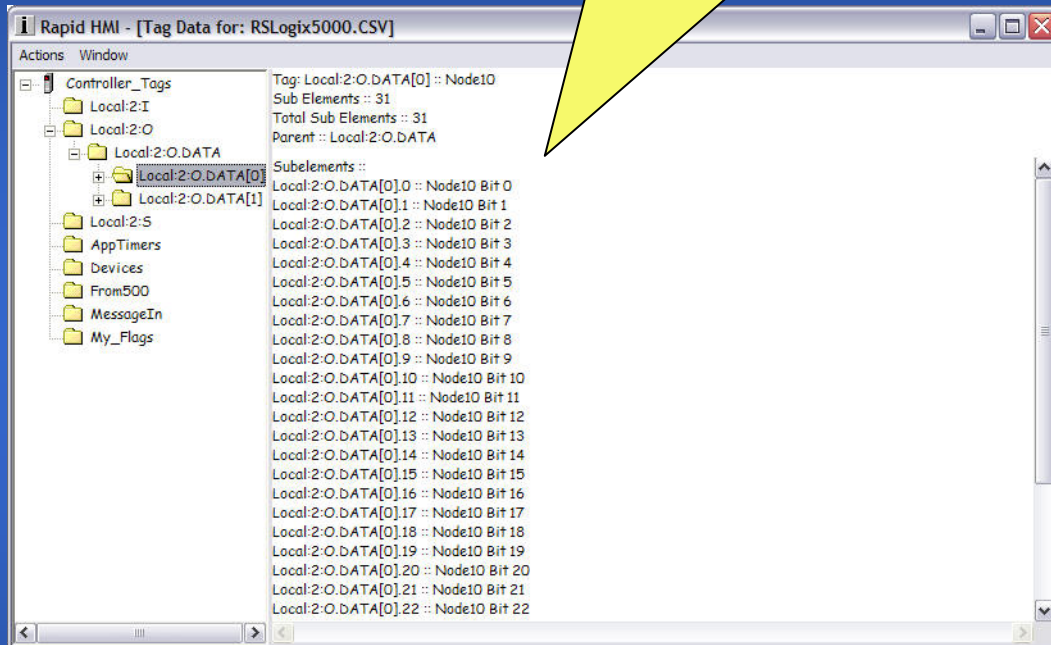
“Load Tags” WILL IMPORT A PLC
TAG LISTING FROM RSLogix



SELECT YOUR PLC TAG LISTING AND CLICK ON "Open"

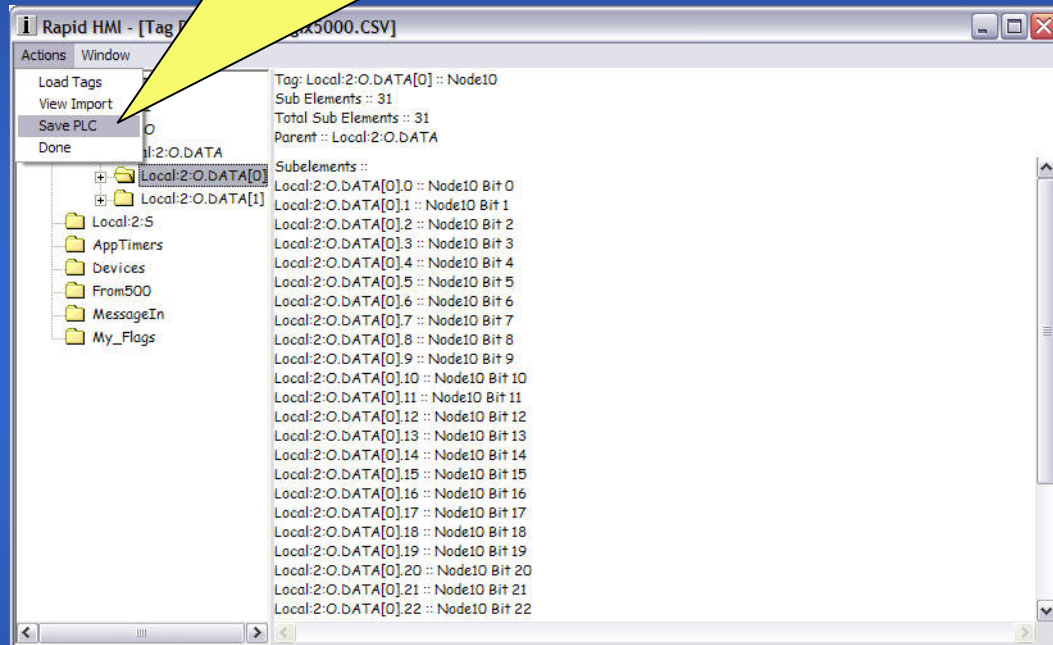


HERE THE LISTING HAS BEEN PROCESSED BY THE APPLICATION BUT IT HAS NOT YET BEEN SAVED TO THE SYSTEM.

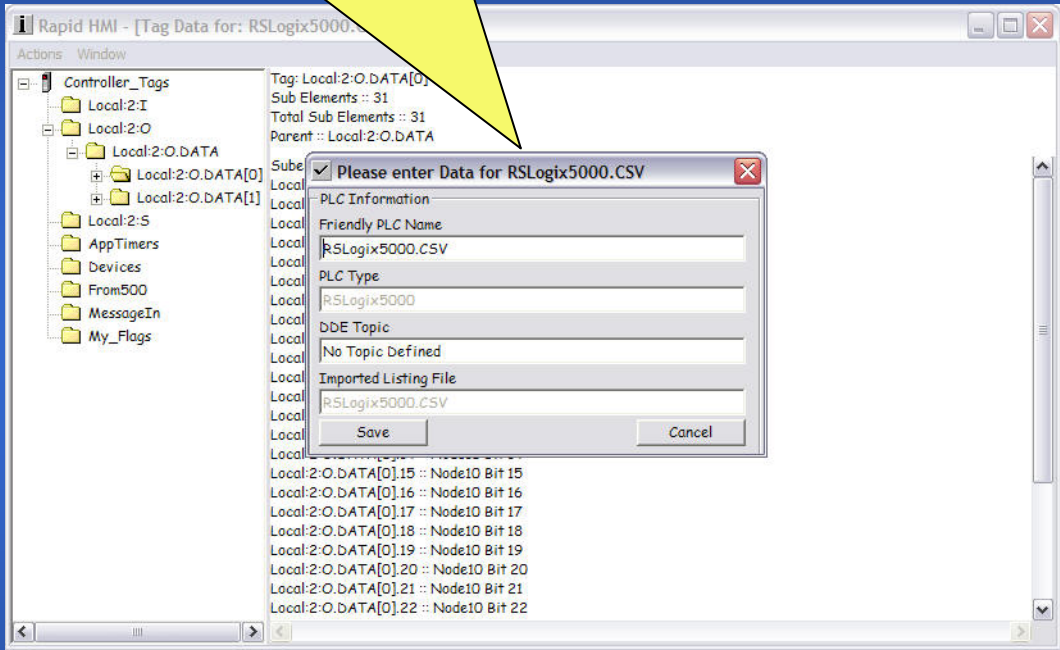


IF YOU WANT TO ADD THIS LISTING TO YOUR STORED PLC LISTINGS CLICK ON "Save PLC"

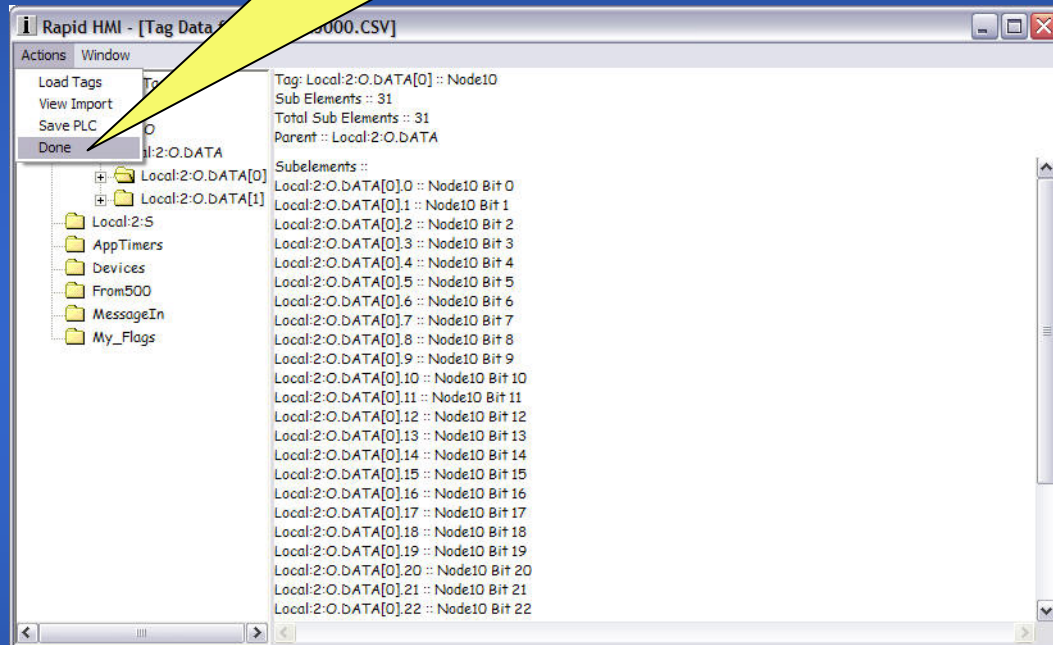
THIS WILL GENERATE A FILE WITH A ".stc" EXTENSION THAT REPRESENTS AN IMPORTED PLC TAG LISTING



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

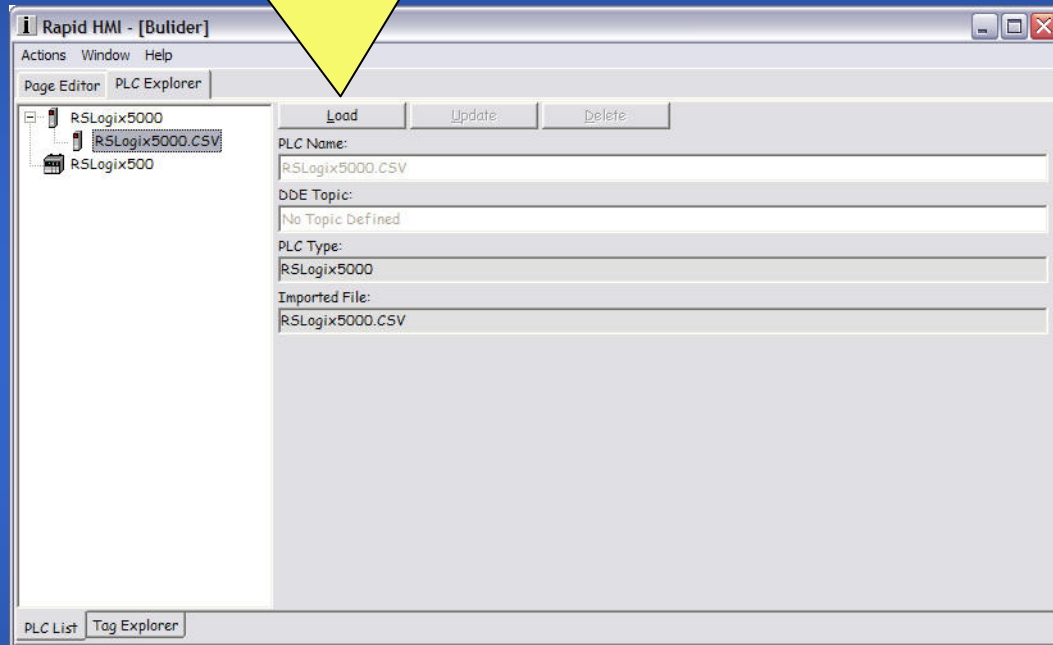


CLICK "Done" WHEN YOU ARE FINISHED



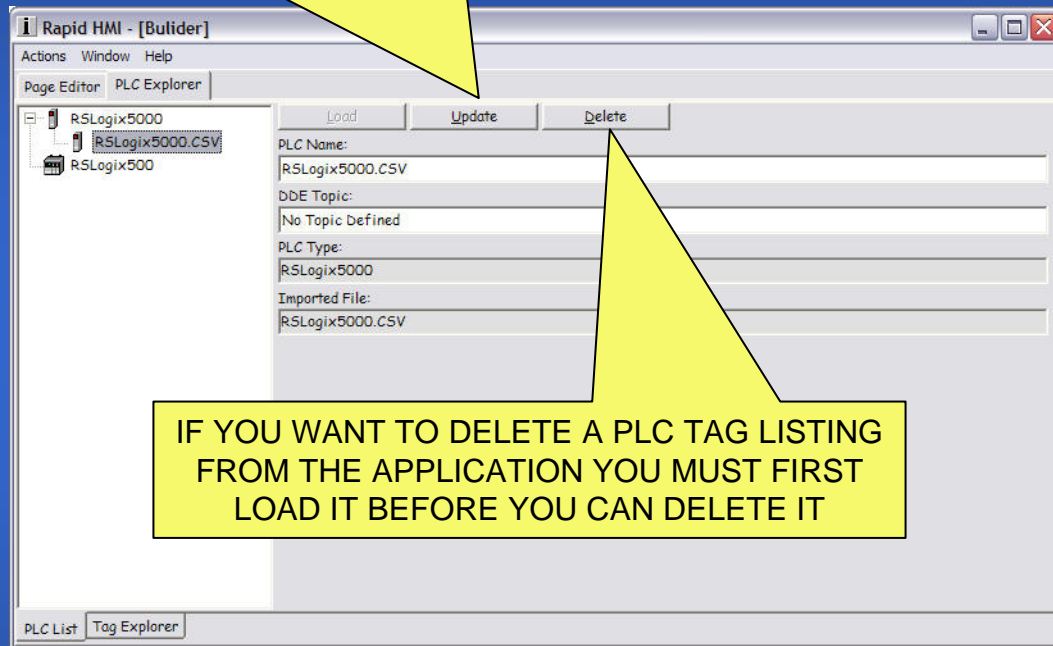
THE TREE ON THE LEFT WILL BE POPULATED WITH ALL YOUR IMPORTED PLC TAG LISTINGS.

SELECT A LISTING AND CLICK ON "Load"



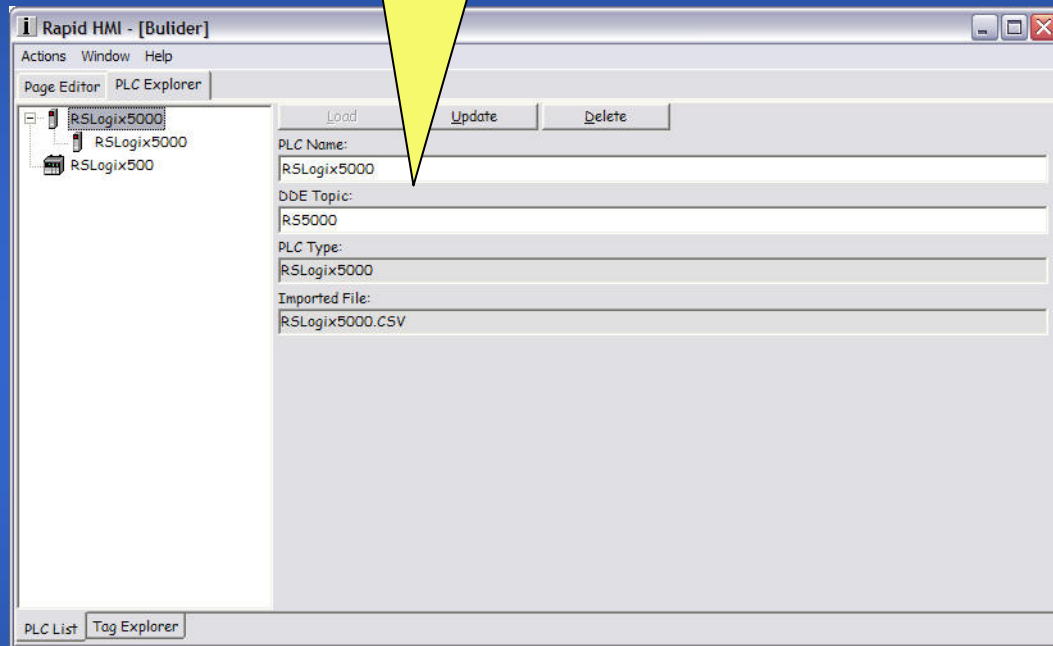
AFTER YOU LOAD A PLC YOU MAY CHANGE
THE PLC NAME OR THE DDE TOPIC

THEN CLICK ON "Update" FOR THE CHANGES
TO TAKE EFFECT

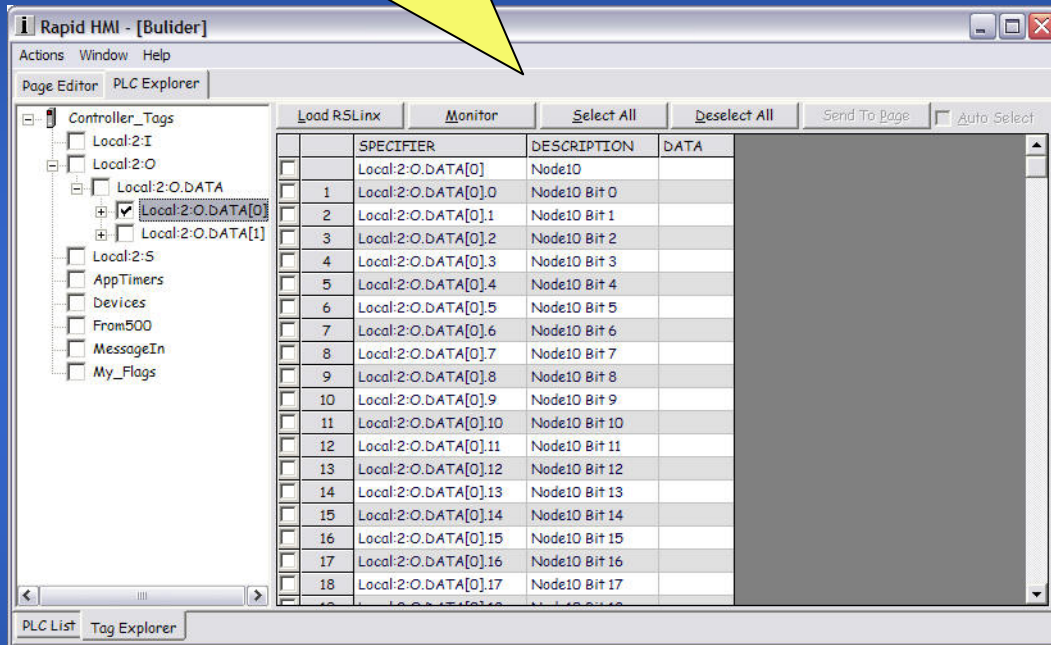


IF YOU WANT TO DELETE A PLC TAG LISTING
FROM THE APPLICATION YOU MUST FIRST
LOAD IT BEFORE YOU CAN DELETE IT

HERE THE PLC NAME AND
THE DDE TOPIC HAVE BEEN
UPDATED



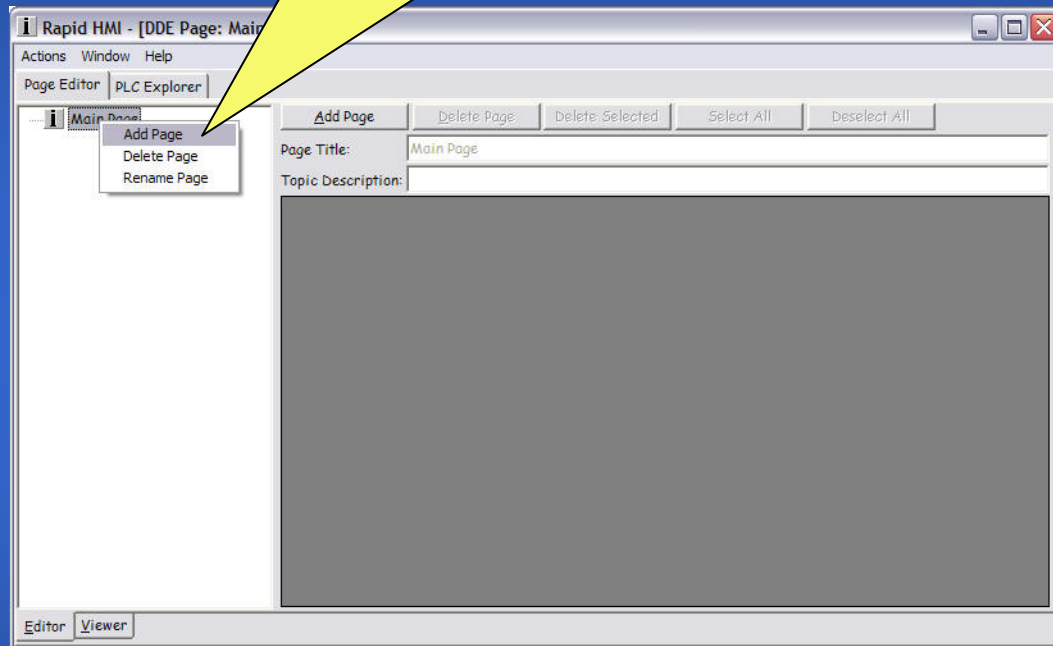
ON THE TAG EXPLORER TAB
YOU CAN MONITOR TAGS AND SEND THEM TO ACTIVE
PAGES TO BEGIN BUILDING A PROJECT



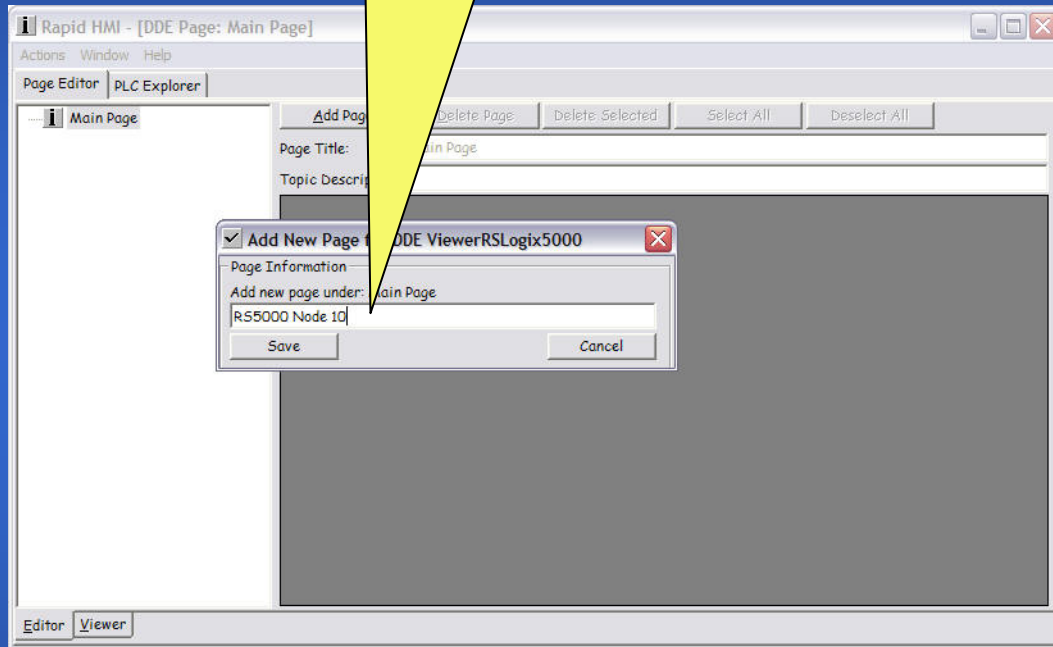
YOU MUST SELECT TAGS FOR MONITORING OR SENDING TO AN ACTIVE PAGE

	SPECIFIER	DESCRIPTION	DATA
<input checked="" type="checkbox"/>	Local-2:O.DATA[0]	Node10	-1903362049
<input checked="" type="checkbox"/>	1 Local-2:O.DATA[0].0	Node10 Bit 0	1
<input checked="" type="checkbox"/>	2 Local-2:O.DATA[0].1	Node10 Bit 1	1
<input checked="" type="checkbox"/>	3 Local-2:O.DATA[0].2	Node10 Bit 2	1
<input checked="" type="checkbox"/>	4 Local-2:O.DATA[0].3	Node10 Bit 3	1
<input checked="" type="checkbox"/>	5 Local-2:O.DATA[0].4	Node10 Bit 4	1
<input checked="" type="checkbox"/>	6 Local-2:O.DATA[0].5	Node10 Bit 5	1
<input checked="" type="checkbox"/>	Local-2:O.DATA[0].6	Node10 Bit 6	1
<input checked="" type="checkbox"/>	8 Local-2:O.DATA[0].7	Node10 Bit 7	1
<input checked="" type="checkbox"/>	9 Local-2:O.DATA[0].8	Node10 Bit 8	1
<input checked="" type="checkbox"/>	10 Local-2:O.DATA[0].9	Node10 Bit 9	1
<input checked="" type="checkbox"/>	11 Local-2:O.DATA[0].10	Node10 Bit 10	1
<input checked="" type="checkbox"/>	12 Local-2:O.DATA[0].11	Node10 Bit 11	1
<input checked="" type="checkbox"/>	13 Local-2:O.DATA[0].12	Node10 Bit 12	1
<input checked="" type="checkbox"/>	14 Local-2:O.DATA[0].13	Node10 Bit 13	1
<input checked="" type="checkbox"/>	15 Local-2:O.DATA[0].14	Node10 Bit 14	1
<input checked="" type="checkbox"/>	16 Local-2:O.DATA[0].15	Node10 Bit 15	1
<input checked="" type="checkbox"/>	17 Local-2:O.DATA[0].16	Node10 Bit 16	1
<input checked="" type="checkbox"/>	18 Local-2:O.DATA[0].17	Node10 Bit 17	1

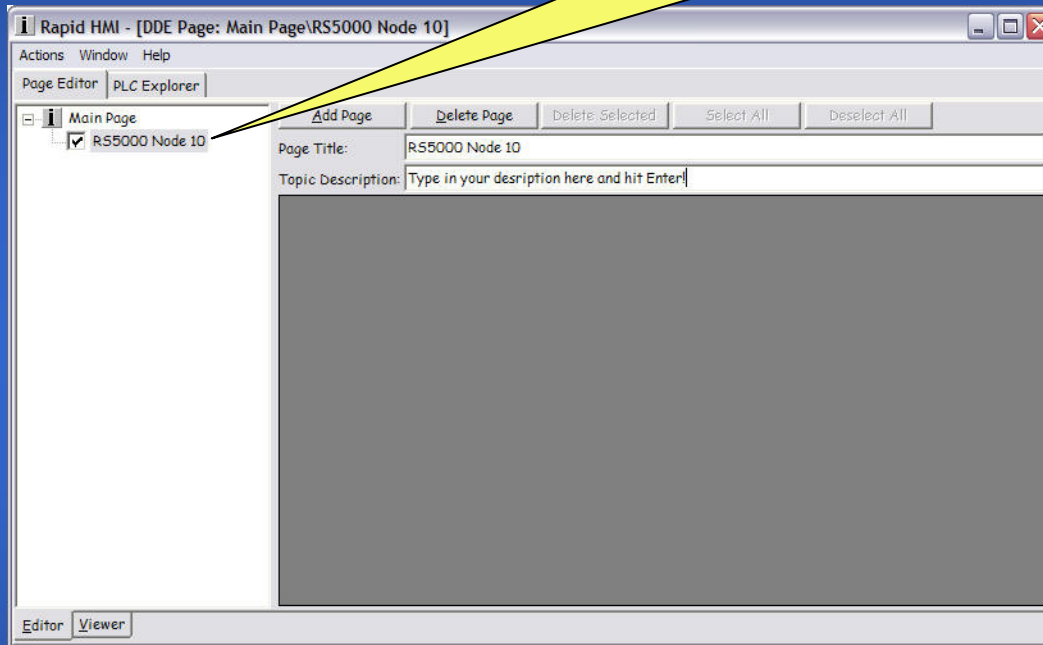
TO BUILD A PROJECT YOU NEED TO
START ADDING PAGES
RIGHT CLICK ON THE TREE AND SELECT
"Add Page" OR CLICK ON THE BUTTON



YOU CAN NAME THE PAGE
NOW OR LATER

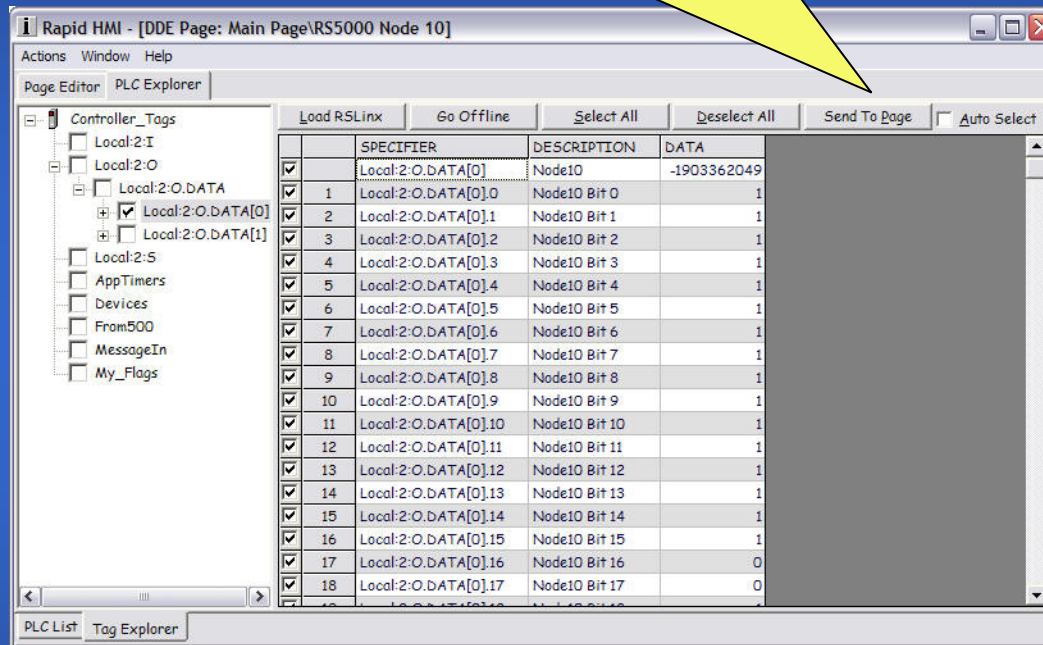


AFTER YOU ADD A PAGE YOU
MUST SELECT THE PAGE
NOTICE THE TITLE OF THE
APPLICATION



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

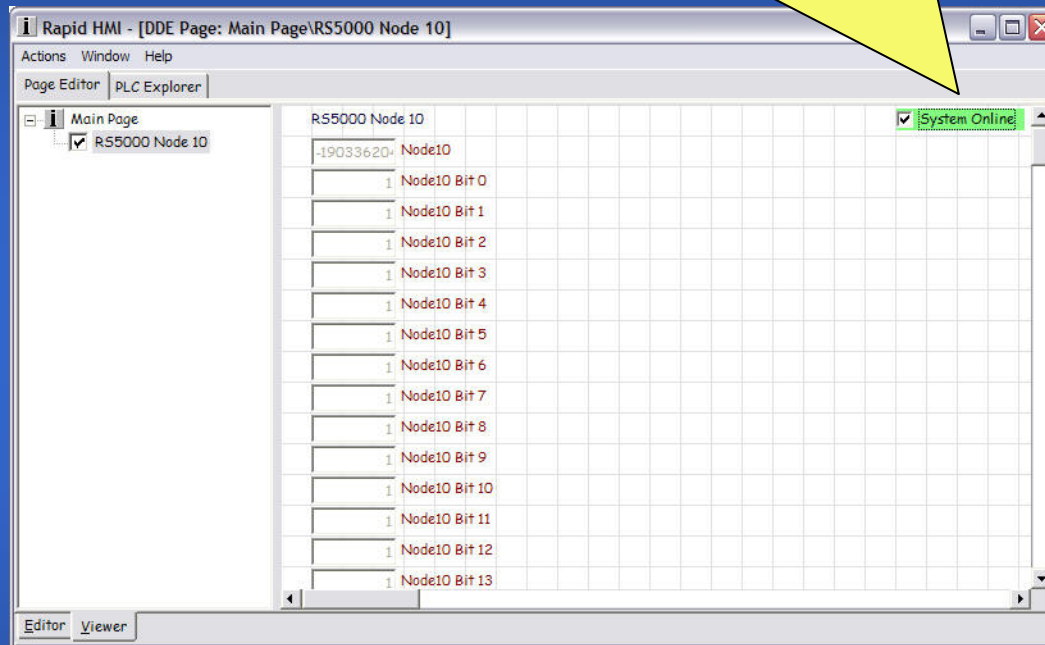
The screenshot shows the 'Page Editor' window for 'Main Page\RS5000 Node 10'. The 'Page Title' is 'RS5000 Node 10' and the 'Topic Description' is empty. Below this is a table with columns: SPECIFIER, DESCRIPTION, Read Only, Protected, and Bool. The table contains 17 rows of bit tags. A yellow callout points to the 'Page Title' field, and another points to the 'DESCRIPTION' column. A third callout points to the 'Bool' column, indicating that a single mouse click will toggle the values of these fields.

	SPECIFIER	DESCRIPTION	Read Only	Protected	Bool
<input type="checkbox"/>	1 Local:2:O.DATA[0]	Node10	True	True	False
<input type="checkbox"/>	2 Local:2:O.DATA[0].0	Node10 Bit 0	True	True	False
<input type="checkbox"/>	3 Local:2:O.DATA[0].1	Node10 Bit 1	True	True	False
<input type="checkbox"/>	4 Local:2:O.DATA[0].2	Node10 Bit 2	True	True	False
<input type="checkbox"/>	5 Local:2:O.DATA[0].3	Node10 Bit 3	True	True	False
<input type="checkbox"/>	6 Local:2:O.DATA[0].4	Node10 Bit 4	True	True	False
<input type="checkbox"/>	7 Local:2:O.DATA[0].5	Node10 Bit 5	True	True	False
<input type="checkbox"/>	8 Local:2:O.DATA[0].6	Node10 Bit 6	True	True	False
<input type="checkbox"/>	9 Local:2:O.DATA[0].7	Node10 Bit 7	True	True	False
<input type="checkbox"/>	10 Local:2:O.DATA[0].8	Node10 Bit 8	True	True	False
<input type="checkbox"/>	11 Local:2:O.DATA[0].9	Node10 Bit 9	True	True	False
<input type="checkbox"/>	12 Local:2:O.DATA[0].10	Node10 Bit 10	True	True	False
<input type="checkbox"/>	13 Local:2:O.DATA[0].11	Node10 Bit 11	True	True	False
<input type="checkbox"/>	14 Local:2:O.DATA[0].12	Node10 Bit 12	True	True	False
<input type="checkbox"/>	15 Local:2:O.DATA[0].13	Node10 Bit 13	True	True	False
<input type="checkbox"/>	16 Local:2:O.DATA[0].14	Node10 Bit 14	True	True	False
<input type="checkbox"/>	17 Local:2:O.DATA[0].15	Node10 Bit 15	True	True	False

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

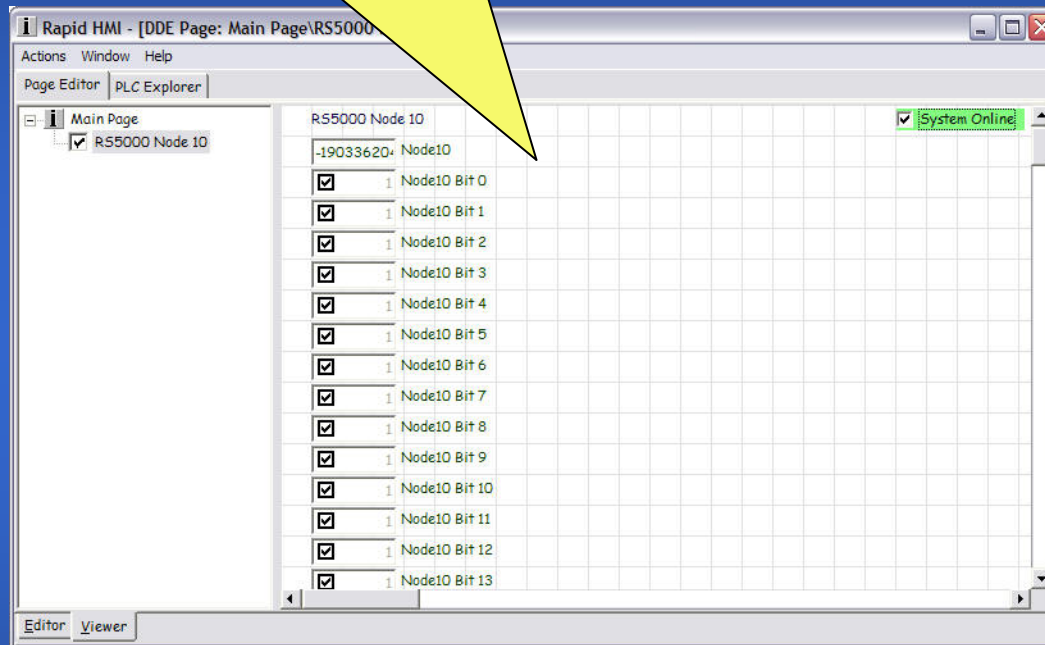


HERE THE FIELDS FOR THE TAGS HAVE BEEN CHANGED

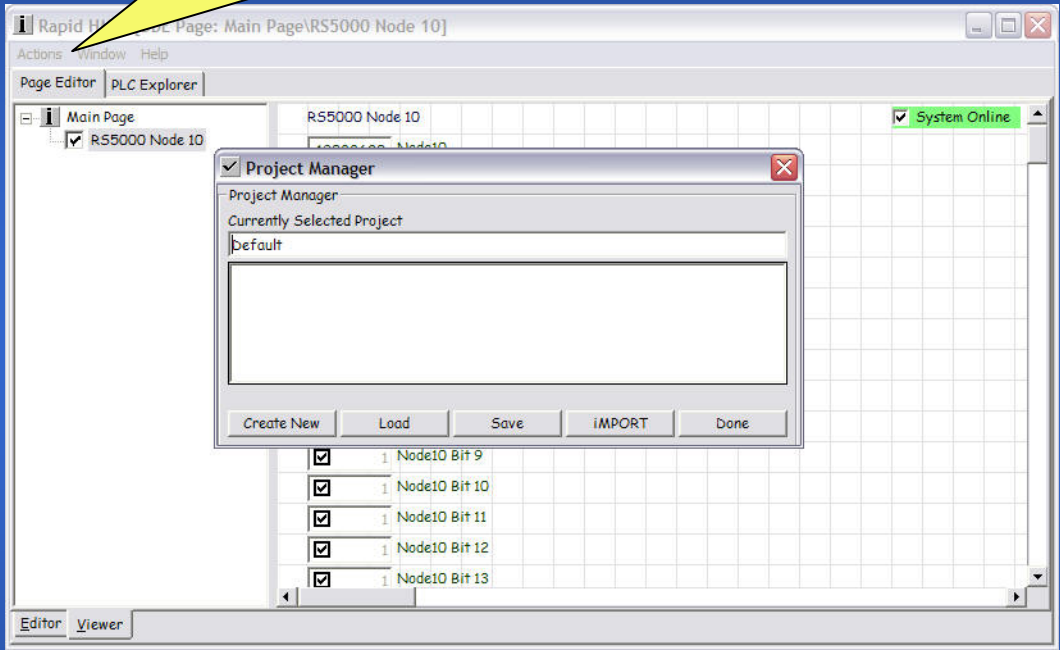
The screenshot shows the Rapid HMI software interface. The window title is "Rapid HMI - [DDE Page: Main Page\RS5000 Node 10]". The interface includes a menu bar (Actions, Window, Help), a toolbar (Page Editor, PLC Explorer), and a tree view on the left showing "Main Page" and "RS5000 Node 10". The main area displays a table of tag fields for "Node10". The table has columns for "SPECIFIER", "DESCRIPTION", "Read Only", "Protected", and "Bool". A yellow callout points to the table.

	SPECIFIER	DESCRIPTION	Read Only	Protected	Bool
<input type="checkbox"/>	1 Local:2:O.DATA[0]	Node10	False	True	False
<input type="checkbox"/>	2 Local:2:O.DATA[0].0	Node10 Bit 0	False	True	True
<input type="checkbox"/>	3 Local:2:O.DATA[0].1	Node10 Bit 1	False	True	True
<input type="checkbox"/>	4 Local:2:O.DATA[0].2	Node10 Bit 2	False	True	True
<input type="checkbox"/>	5 Local:2:O.DATA[0].3	Node10 Bit 3	False	True	True
<input type="checkbox"/>	6 Local:2:O.DATA[0].4	Node10 Bit 4	False	True	True
<input type="checkbox"/>	7 Local:2:O.DATA[0].5	Node10 Bit 5	False	True	True
<input type="checkbox"/>	8 Local:2:O.DATA[0].6	Node10 Bit 6	False	True	True
<input type="checkbox"/>	9 Local:2:O.DATA[0].7	Node10 Bit 7	False	True	True
<input type="checkbox"/>	10 Local:2:O.DATA[0].8	Node10 Bit 8	False	True	True
<input type="checkbox"/>	11 Local:2:O.DATA[0].9	Node10 Bit 9	False	True	True
<input type="checkbox"/>	12 Local:2:O.DATA[0].10	Node10 Bit 10	False	True	True
<input type="checkbox"/>	13 Local:2:O.DATA[0].11	Node10 Bit 11	False	True	True
<input type="checkbox"/>	14 Local:2:O.DATA[0].12	Node10 Bit 12	False	True	True
<input type="checkbox"/>	15 Local:2:O.DATA[0].13	Node10 Bit 13	False	True	True
<input type="checkbox"/>	16 Local:2:O.DATA[0].14	Node10 Bit 14	False	True	True
<input type="checkbox"/>	17 Local:2:O.DATA[0].15	Node10 Bit 15	False	True	True

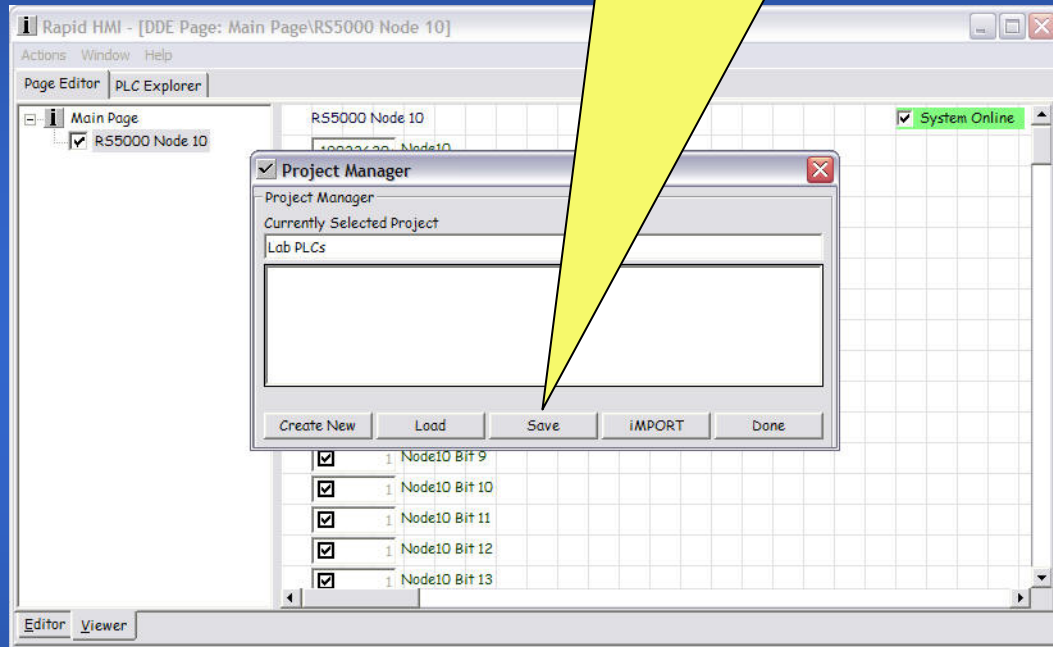
THE VIEWER SHOWS THAT THE TAGS ARE NOW BOOLEAN AND THEY HAVE READ/WRITE ACCESS



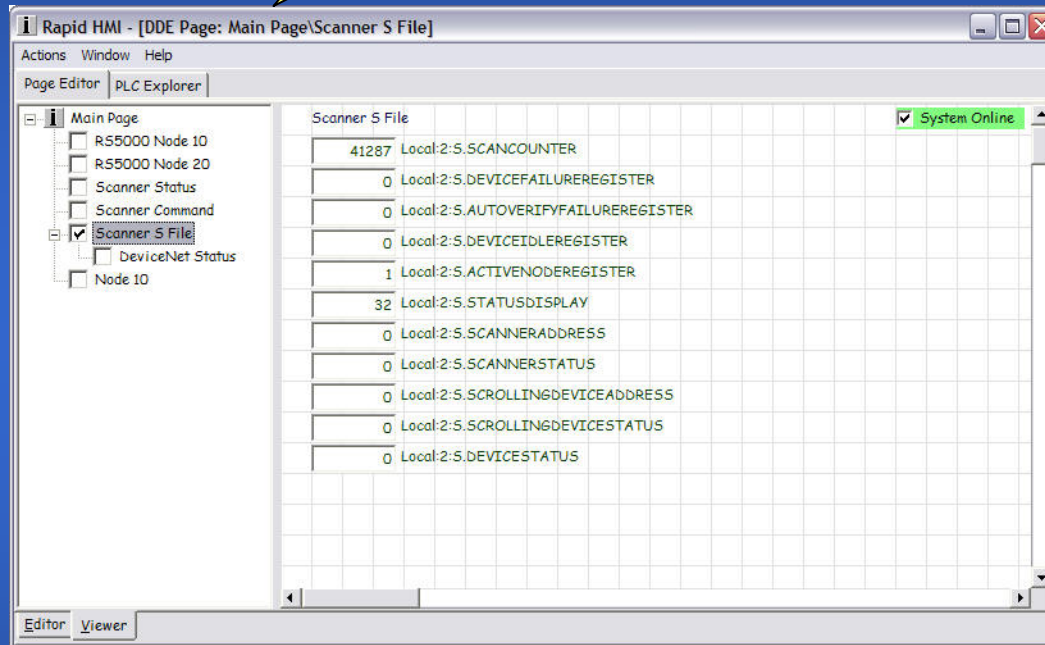
FROM THE MENU SELECT MANAGE PROJECTS



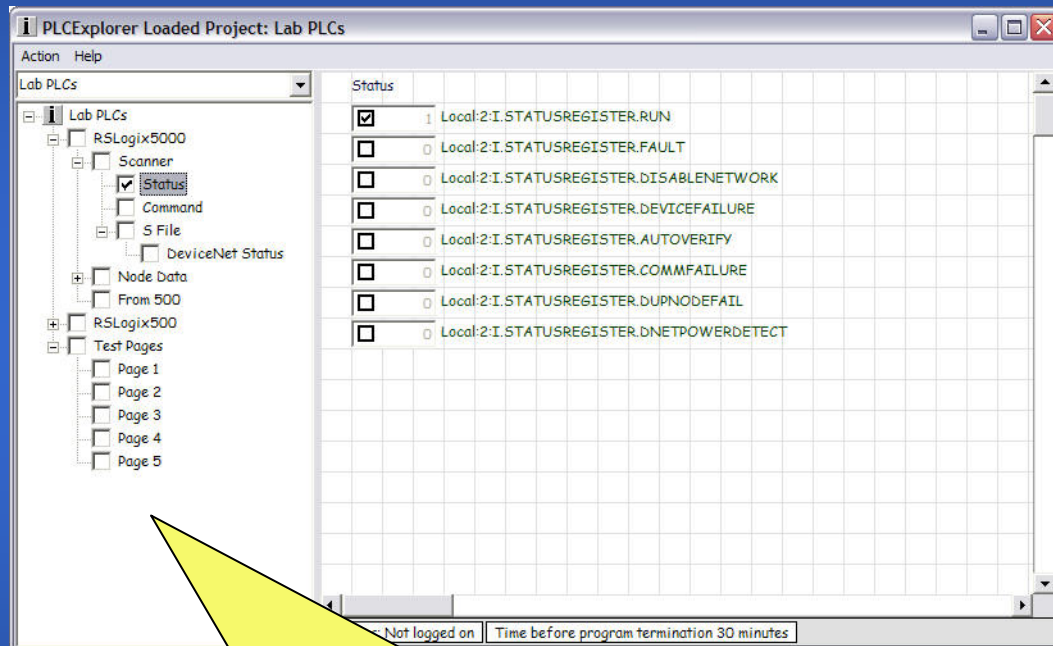
CHANGE THE NAME FROM DEFAULT TO THE NAME YOU WISH TO USE AND CLICK ON SAVE THIS WILL CREATE A FINISHED PROJECT



HERE IS A SAMPLE OF A
FINISHED PROJECT



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

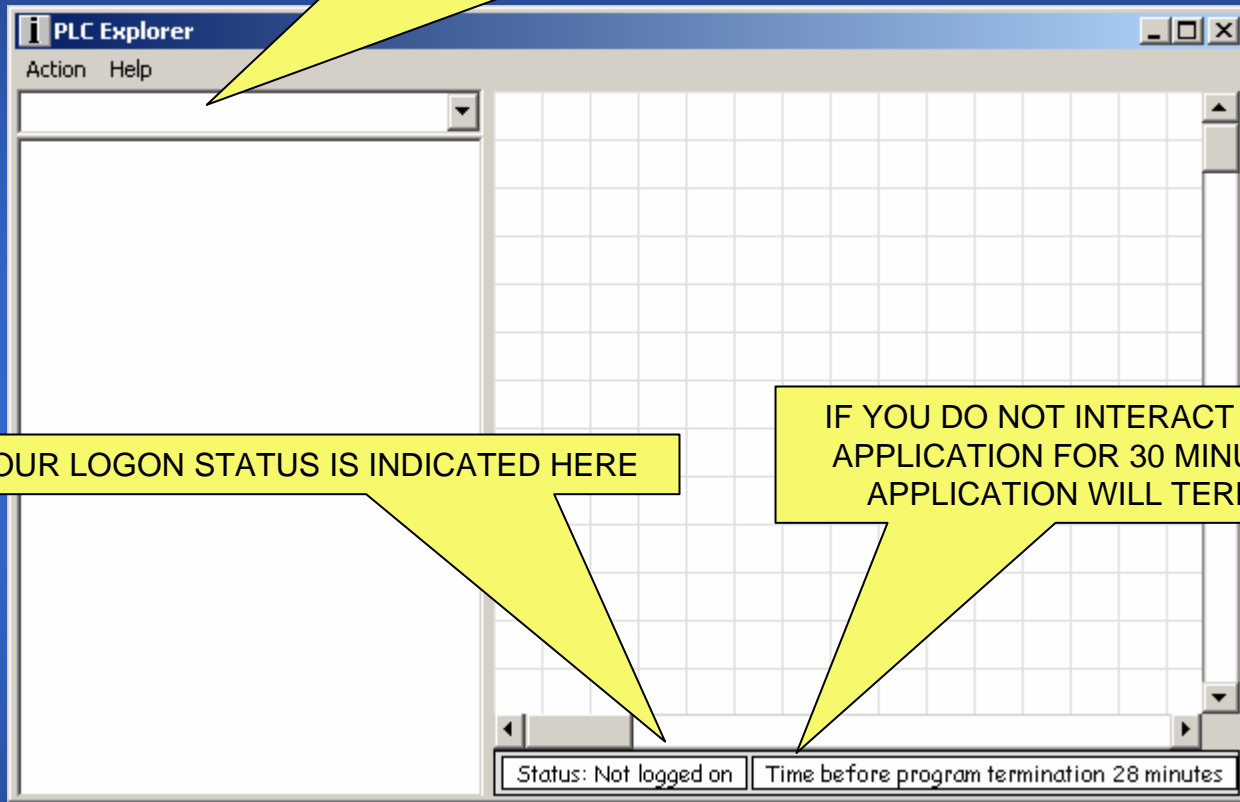


MOVE YOUR FINISHED PROJECTS TO THE SAME
FOLDER AS PLCExplorer

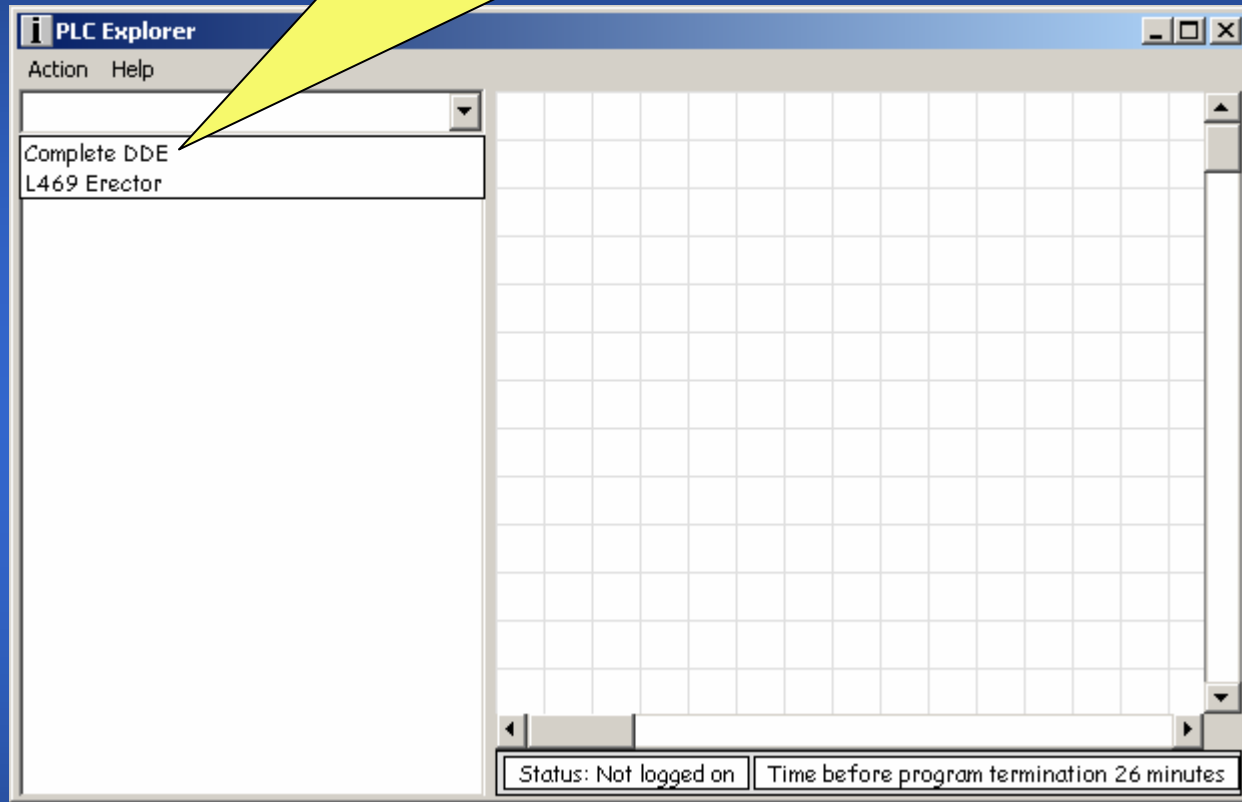
WHEN PLCEXPLORER STARTS IT SCANS IT'S FOLDER
AND PLACES ALL THE FOUND PROJECTS IN THE
DROP-DOWN LIST

YOUR LOGON STATUS IS INDICATED HERE

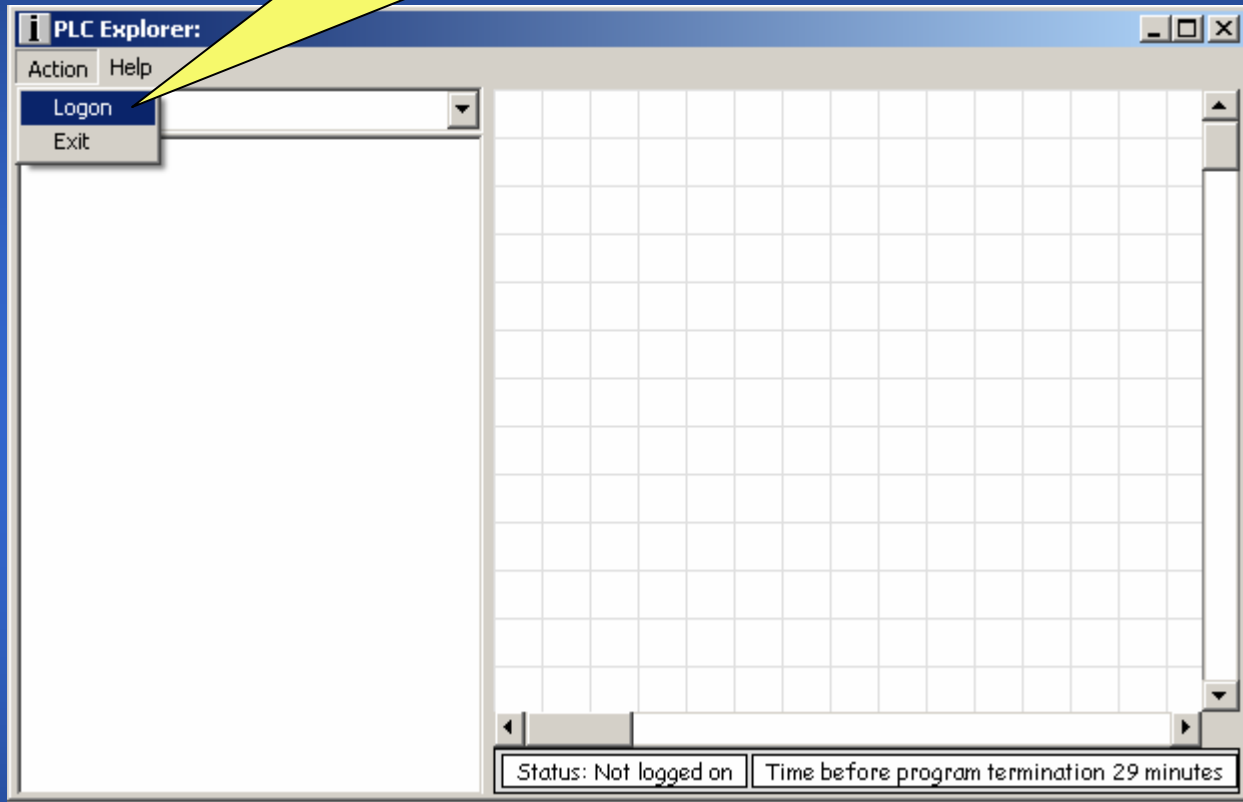
IF YOU DO NOT INTERACT WITH THE
APPLICATION FOR 30 MINUTES THE
APPLICATION WILL TERMINATE

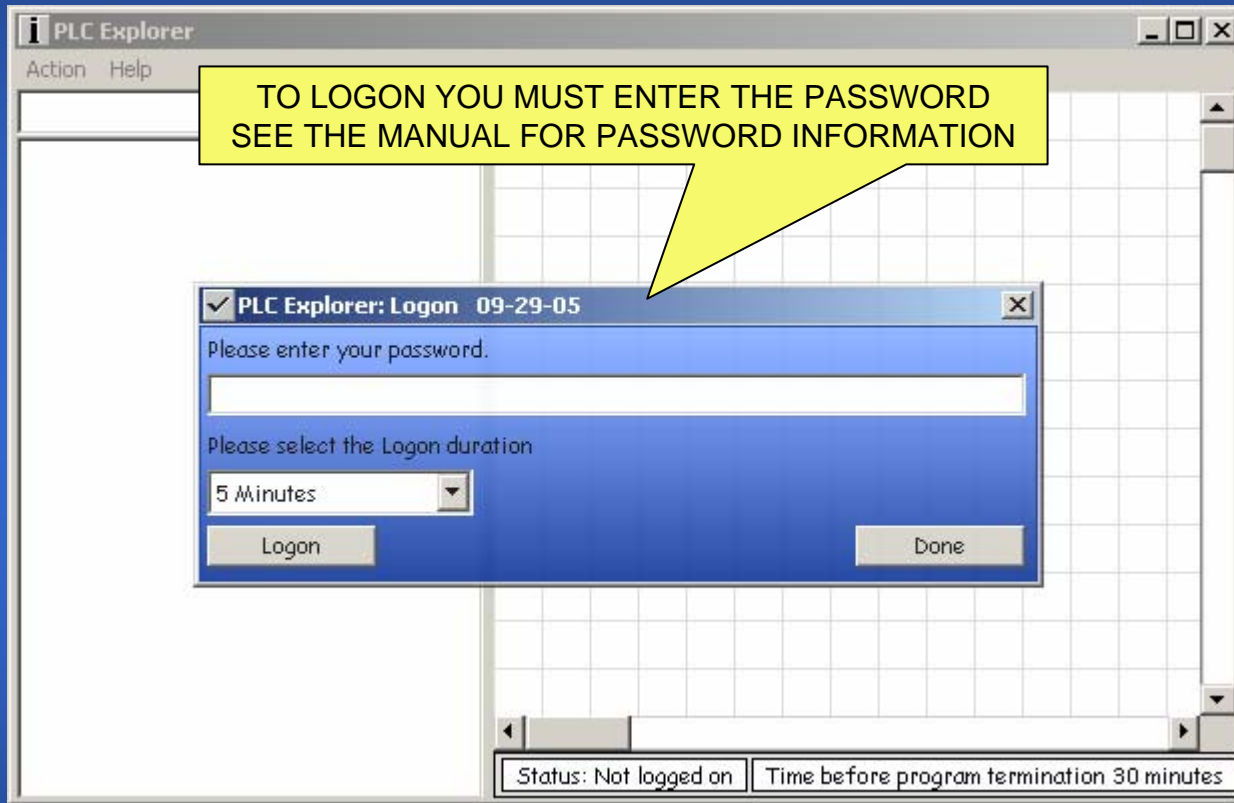


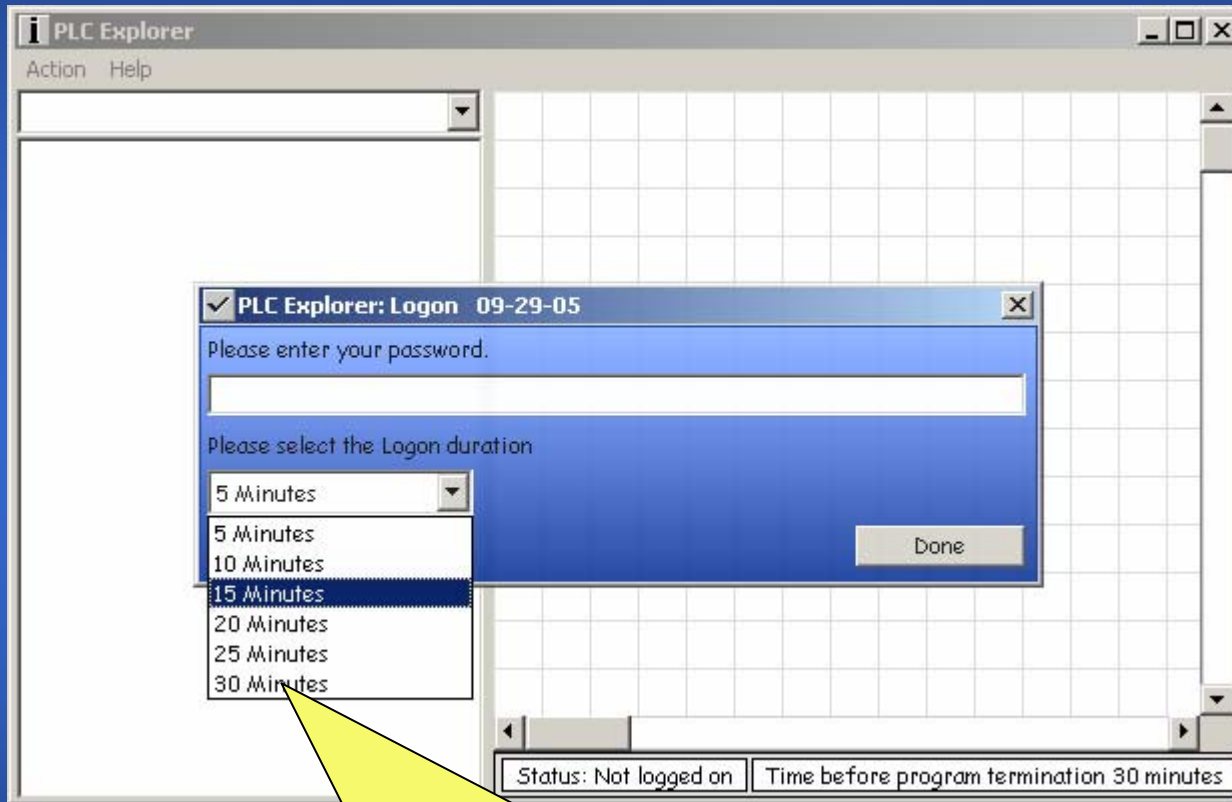
SELECT A PROJECT TO RUN
THE APPLICATION ASSUMES RSLinx IS RUNNING
AND AUTOMATICALLY GOES ONLINE



TO ACCESS PROTECTED TAGS YOU MUST LOGON

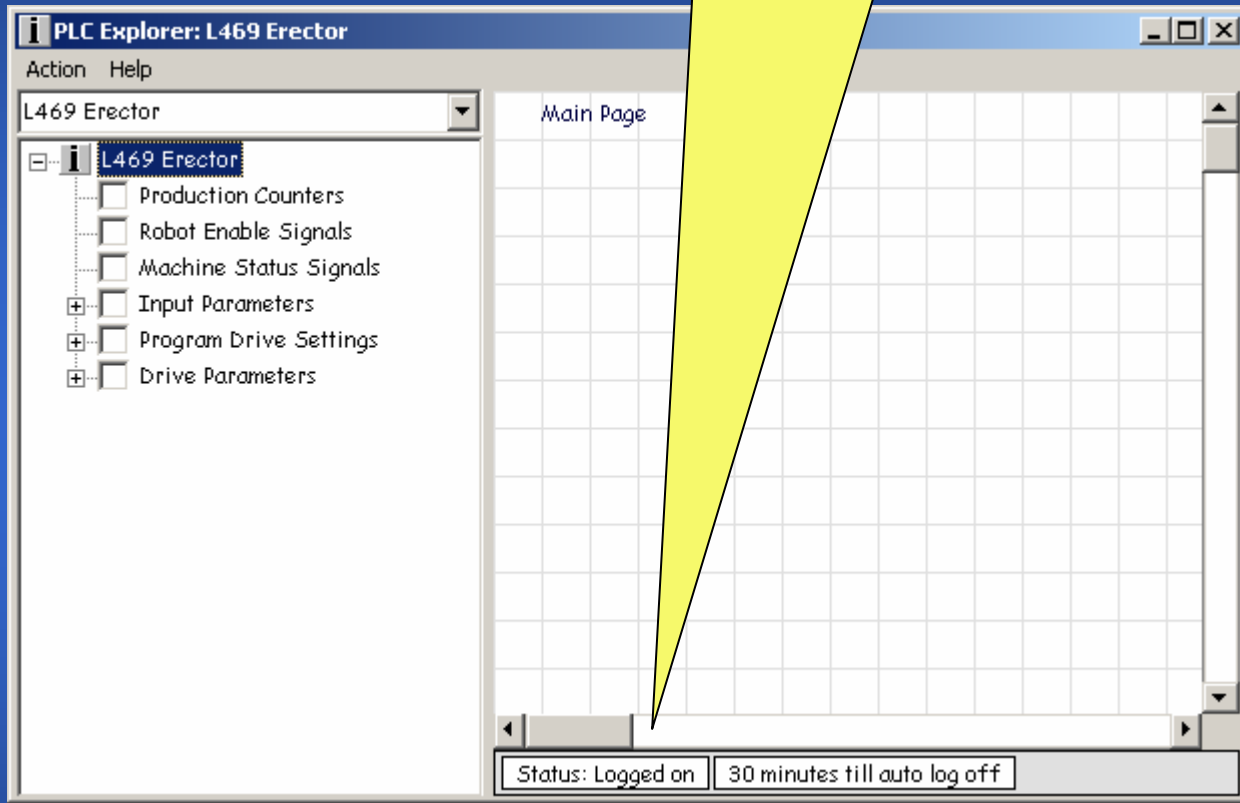






YOU CAN SELECT THE DURATION THAT THE ADMIN FUNCTIONS ARE ENABLED

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

The screenshot displays the 'PLC Explorer: L469 Erector' interface. On the left, a tree view shows the project structure with 'Robot Enable Signals' selected. The main window displays a table of 'Robot Enable Signals' with three entries, each with a checked checkbox and the text 'Robot 1 Enable', 'Robot 2 Enable', and 'Robot 3 Enable' respectively. The text is red, indicating protection. The status bar at the bottom shows 'Status: Not logged on' and 'Time before program termination 30 minutes'.

Signal Name	Value
Robot 1 Enable	1
Robot 2 Enable	1
Robot 3 Enable	1

Status: Not logged on Time before program termination 30 minutes

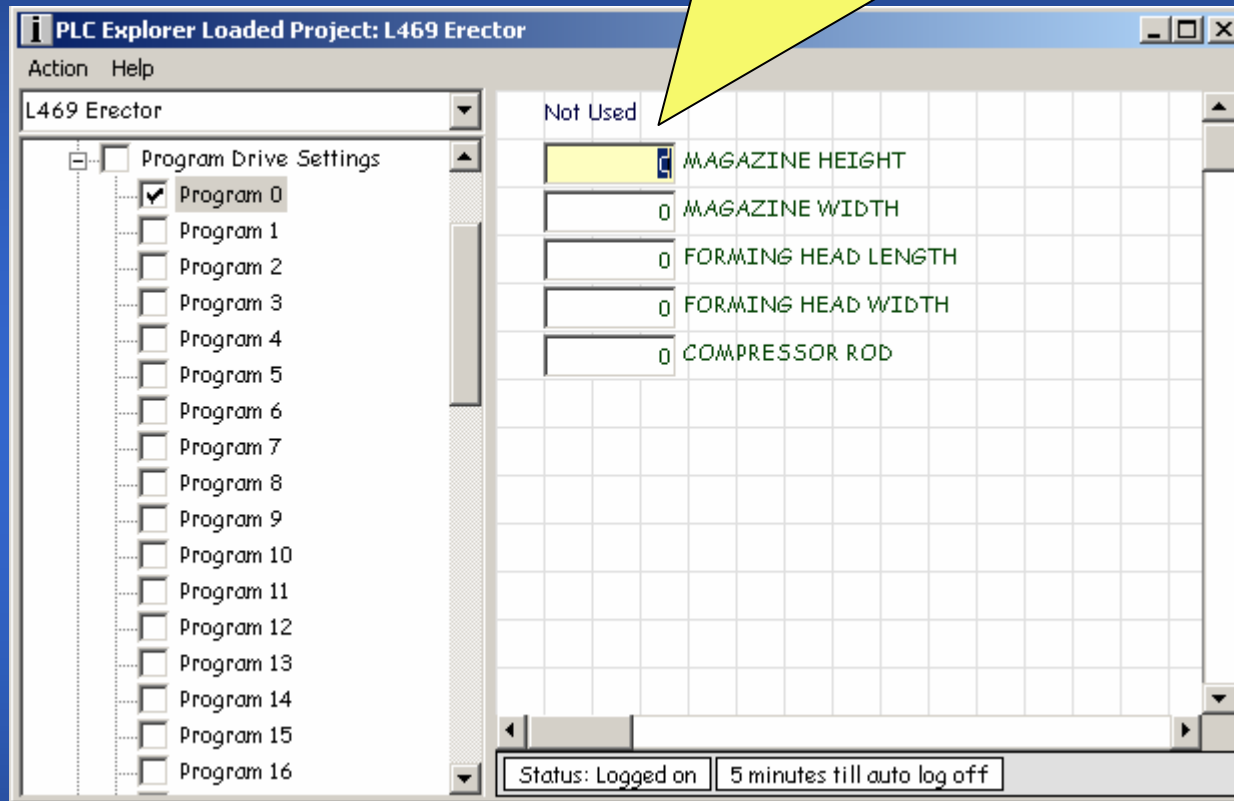
THIS PAGE DISPLAYS A PROJECT WITH PROTECTED TAGS.
NOTE THE STATUS IS LOGGED ON
THE TAGS ARE LABELED IN GREEN – READ/WRITE ACCESS

The screenshot displays the PLC Explorer interface for a project named 'L469 Erector'. The left-hand tree view shows the project structure with 'Robot Enable Signals' selected and highlighted in green. The main window displays a table of 'Robot Enable Signals' with three entries, each with a checked checkbox and the value '1'. The status bar at the bottom indicates 'Status: Logged on' and '5 minutes till auto log off'.

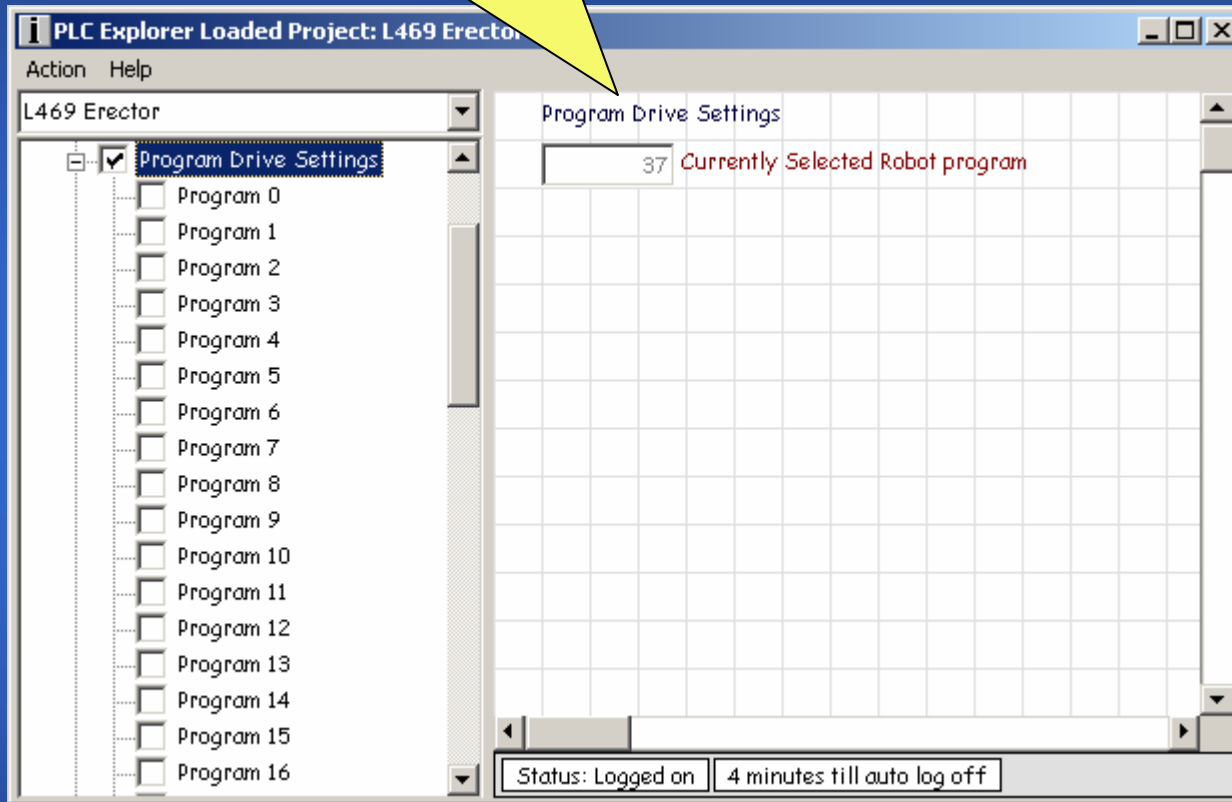
Signal Name	Value
Robot 1 Enable	1
Robot 2 Enable	1
Robot 3 Enable	1

Status: Logged on | 5 minutes till auto log off

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

The screenshot shows the PLC Explorer interface for a project named 'L469 Erector'. On the left, a tree view lists programs from Program 21 to Program 38. Program 37 is selected and highlighted. The main window displays the tag table for Program 37, titled 'YS 19-60'. The table contains five rows of data, each with a numerical value in a text box and a descriptive tag name. At the bottom of the window, a status bar indicates 'Status: Logged on' and '3 minutes till auto log off'.

YS 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

The screenshot shows the PLC Explorer interface for a project named 'L469 Erector'. The left sidebar contains a tree view with the following items:

- Robot Enable Signals
- Machine Status Signals
- Input Parameters
- Program Drive Settings
- Drive Parameters
 - Drive 1** (selected)
 - Drive 2
 - Drive 3
 - Drive 4
 - Drive 5
 - Drive 6
 - Drive 7
 - Drive 8
 - Drive 9
 - Drive 10
 - Drive 11
 - Drive 12
 - Drive 13

The main display area shows the parameters for 'Drive 1' in a table-like format:

Value	Label
<input type="checkbox"/>	Reference Drive
420	Reference Position
422	Position Command
421.9911	Measured Position
0	Drive Error

At the bottom of the window, a status bar indicates: 'Status: Logged on' and '2 minutes till auto log off'.

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

THANKS FOR YOUR TIME!