

YASKAWA

Tag Generator Support Tool for Logix Designer/RSLogix 5000 & TIA Portal **User Guide**

To properly use the product, read this manual thoroughly and retain for easy reference, inspection, and maintenance. Ensure the end user receives this manual.

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Table of Contents

1	PREFACE AND SAFETY.....	4
2	PRODUCT OVERVIEW.....	5
3	INSTALL SOFTWARE AND CREATE A NEW PROJECT.....	6
4	ETHERNET/IP OR DEVICENET PROJECTS.....	11
5	PROFINET OR PROFIBUS PROJECTS.....	19

1 Preface and Safety

Yaskawa manufactures products used as components in a wide variety of industrial systems and equipment. The selection and application of Yaskawa products remain the responsibility of the equipment manufacturer or end user. Yaskawa accepts no responsibility for the way its products are incorporated into the final system design. Under no circumstances should any Yaskawa product be incorporated into any product or design as the exclusive or sole safety control. Without exception, all controls should be designed to detect faults dynamically and fail safely under all circumstances. All systems or equipment designed to incorporate a product manufactured by Yaskawa must be supplied to the end user with appropriate warnings and instructions as to the safe use and operation of that part. Any warnings provided by Yaskawa must be promptly provided to the end user. Yaskawa offers an express warranty only as to the quality of its products in conforming to standards and specifications published in the Yaskawa manual. **NO OTHER WARRANTY, EXPRESS OR IMPLIED, IS OFFERED.** Yaskawa assumes no liability for any personal injury, property damage, losses, or claims arising from misapplication of its products.

2 Product Overview

◆ About this Product

This User Guide describes the use of Tag Generator software that creates a tag file for import into Logix Designer/RSLogix 5000 or TIA Portal software.

This document is intended for use by those familiar with the configuration of communication networks for industrial and commercial applications. The user should be familiar with Logix Designer/RSLogix 5000 and/or TIA Portal software and Yaskawa AC drives.

The Tag Generator software produces a tag file, (*.CSV) for subsequent import to Logix Designer/RSLogix 5000 projects or, in the case of TIA Portal projects, a (*.XLSX) file for PROFIBUS and PROFINET. Tag Generator software reduces implementation time for PLC connected Yaskawa drives utilizing EtherNet/IP, DeviceNet, PROFINET, or PROFIBUS communications protocols.

◆ Terms

Note: Indicates supplemental information unrelated to safety messages.

Drive: Yaskawa Drive

PLC: Programmable Logic Controller

Node: Drive on the network

◆ Registered Trademarks

All trademarks are the property of their respective owners.

◆ Software, Product and PC System Requirements

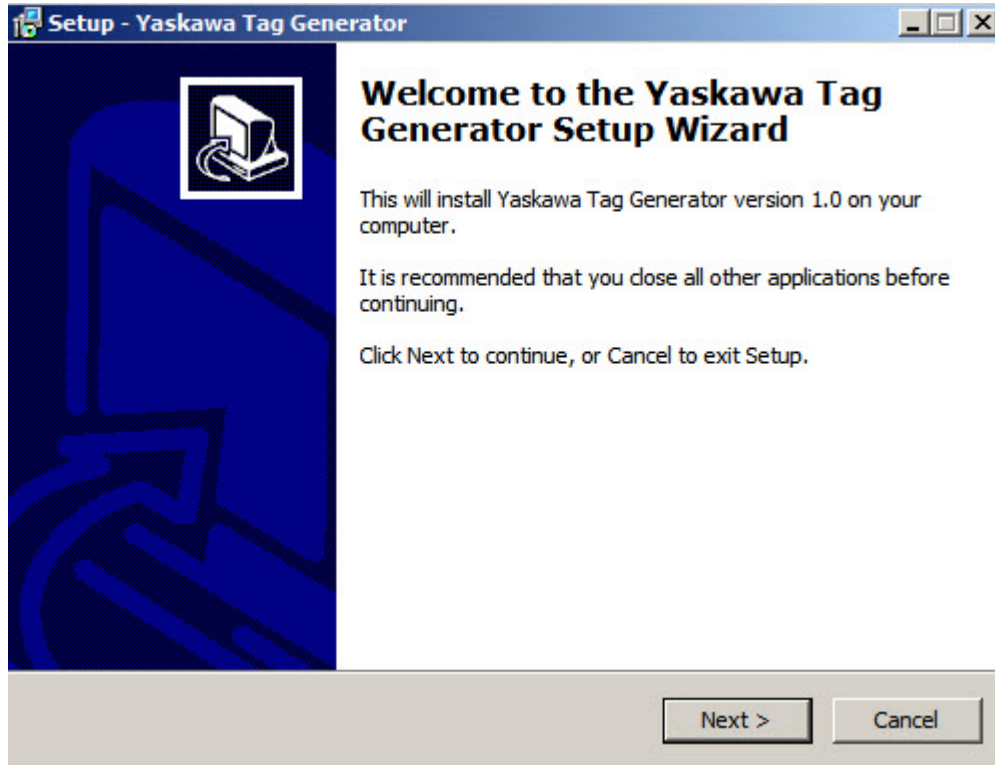
Table 1

Specification	Description
Software	YASKAWA Tag Generator PN: SW.YAI.01 Obtain from www.yaskawa.com at: https://www.yaskawa.com/pycprd/lookup/bannerDocDetails/query_type=get_document&document_id=SW.YAI.01&name=
Compatible Yaskawa Drive Product Series	A1000, D1000, iQpump1000, MV1000, P1000, R1000, V1000, V1000-4X, U1000 Industrial Matrix, U1000 Oil & Gas, F7, and G7
Minimum PC System Requirements	<ul style="list-style-type: none"> • 1.0 GHz or faster processor • Windows 7 (32 bit and 64 bit); or Windows 8 (32 bit and 64 bit) • 2 GB of RAM • 10 MB of available hard-disk space • 1280 x 720 screen resolution • Requires .NET Framework 4.5 (2 GB disk space required for .NET) • Internet connection (required for SW.YAI.01 download)

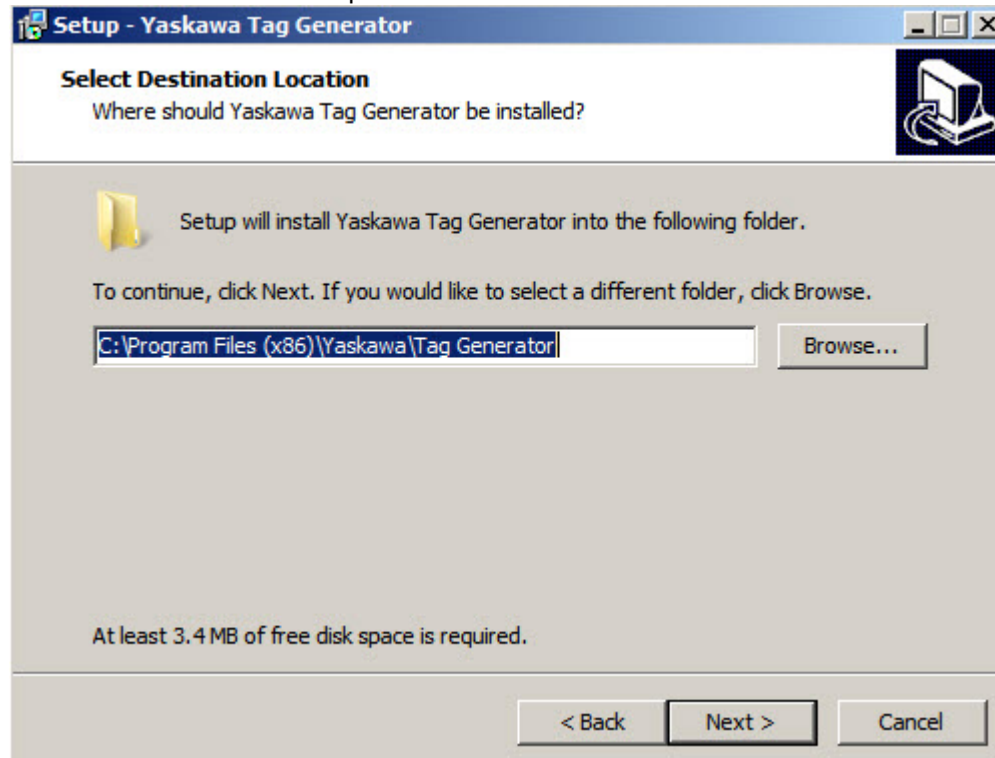
3 Install Software and Create a New Project

Obtain and Install Tag Generator Software SW.YAI.01.

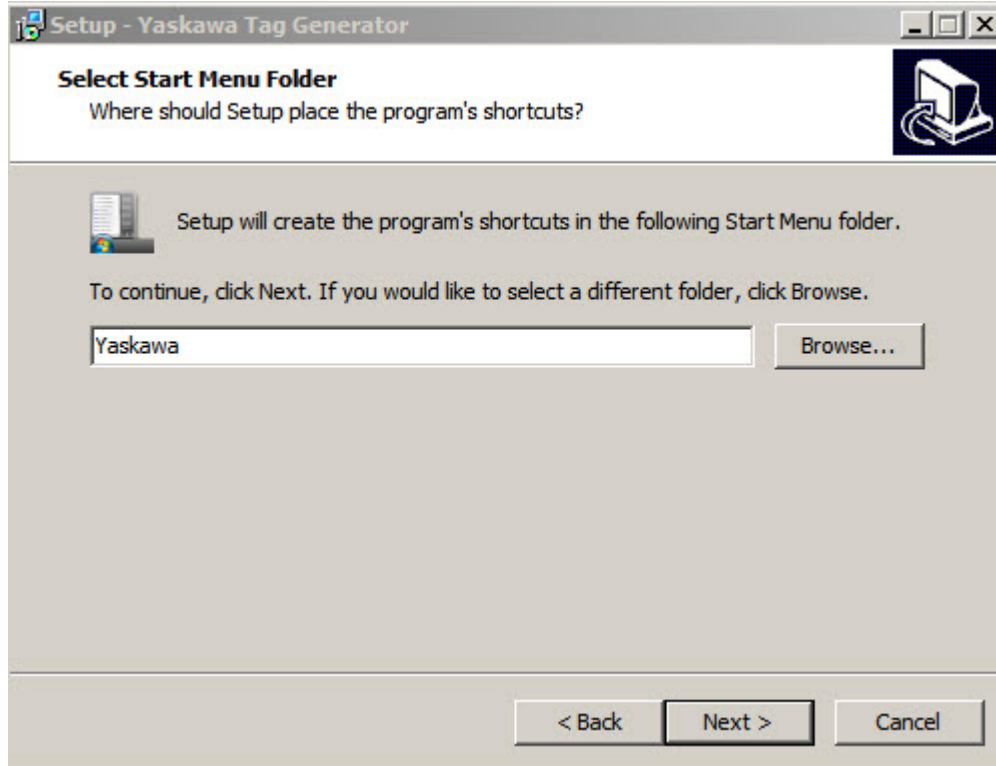
1. Direct your web browser to: https://www.yaskawa.com/pycprd/lookup/bannerDocDetails/query_type=get_document&document_id=SW.YAI.01&name=
2. Download the software to a temporary folder on your PC. Extract the zip file to the temporary folder and click SETUP.EXE to install the Tag generator software.
3. Click Next.



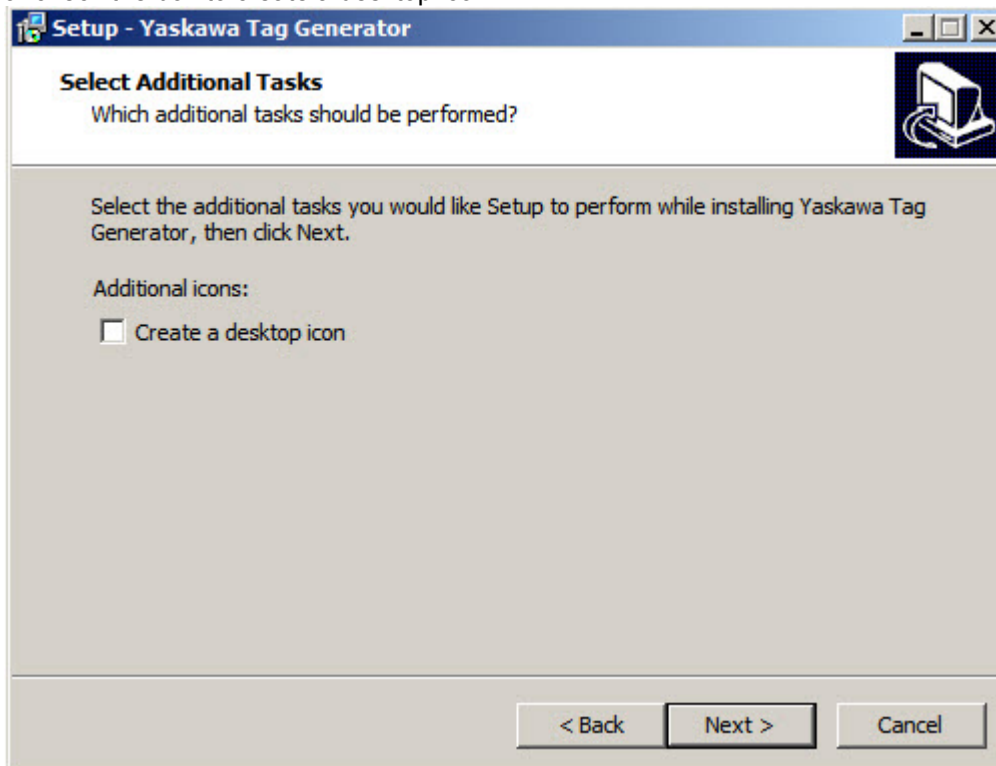
4. Click Next to use the default installation path or click Browse to select a different installation folder.



5. Click Next to continue to create a Yaskawa Start Menu folder or Browser to select a different folder.

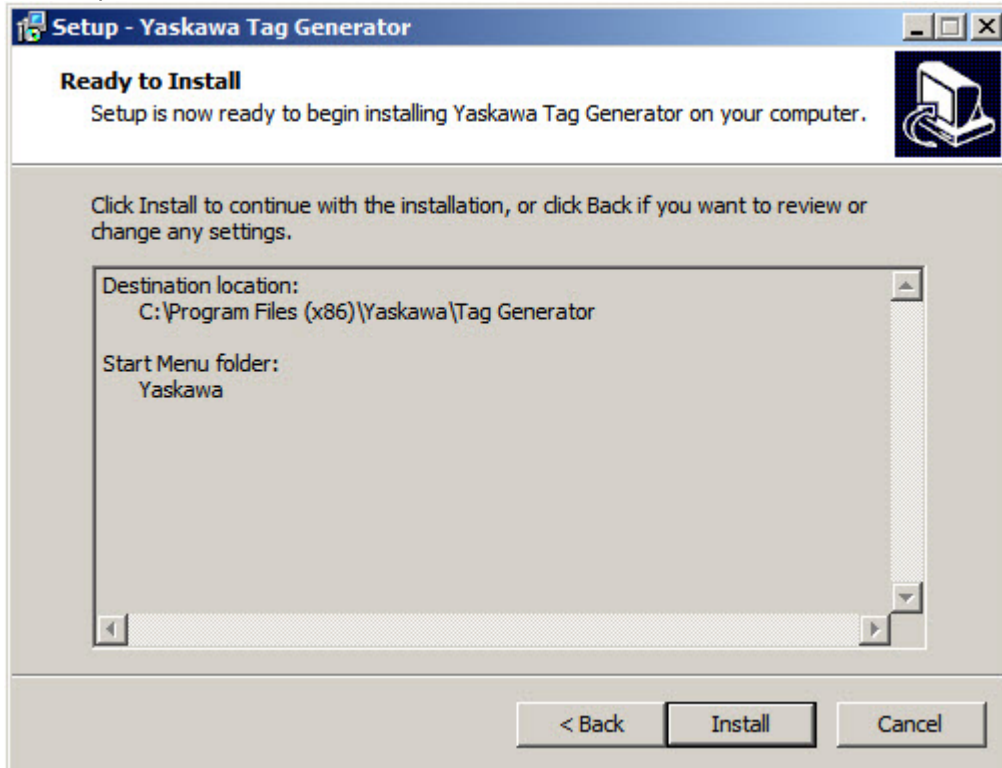


6. Click Next or check the box to create a desktop icon.



3 Install Software and Create a New Project

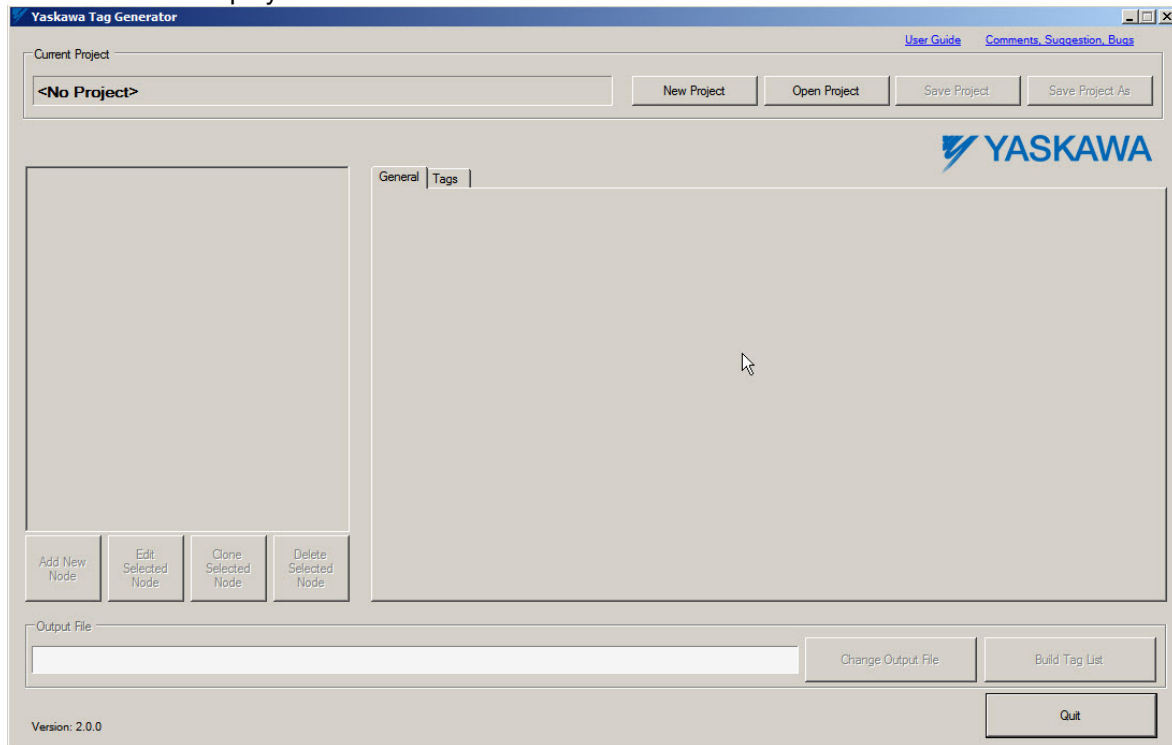
7. Click Install to complete the installation.



8. Click Finish to launch the Tag generator software.



9. The initial screen is displayed.



10. Click the "New Project" button on the "Yaskawa Tag Generator" window.

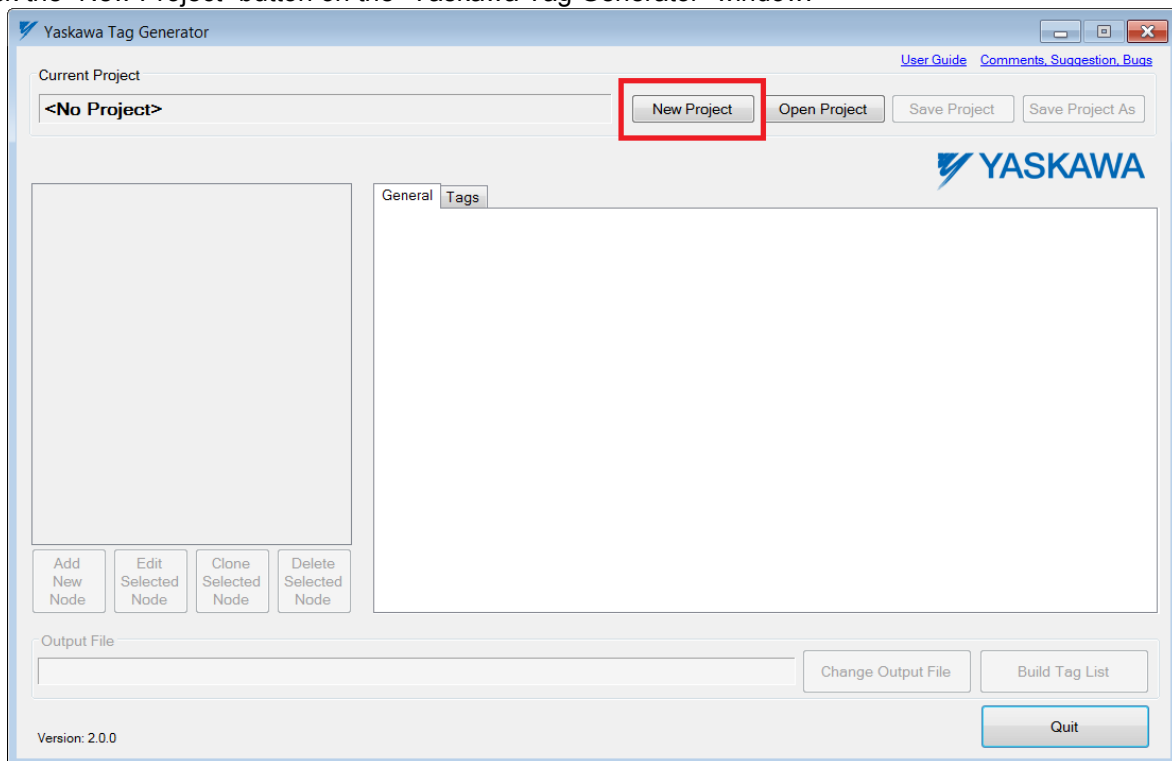


Figure 1 New Project Button

3 Install Software and Create a New Project

11. Select the radio button within the New Project dialog box to choose the software that will use the generated tag file. Select “Logix Designer/RSLogix 5000” for EtherNet/IP or DeviceNet protocols.
Select “TIA Portal” for PROFINET or PROFIBUS protocols.

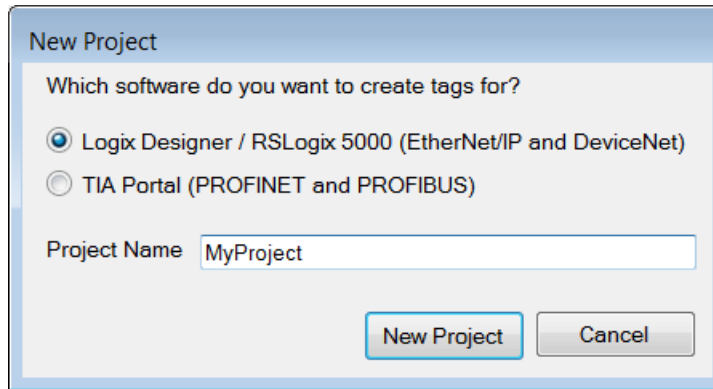


Figure 2 New Project Dialog Window

12. Type a project name in the “Project Name” textbox.
13. Click the “New Project” button.
14. [Refer to EtherNet/IP or DeviceNet Projects on page 11](#) for projects that utilize Logix Designer/RSLogix 5000.
[Refer to PROFINET or PROFIBUS Projects on page 19](#) for projects that utilize TIA Portal software.

4 EtherNet/IP or DeviceNet Projects

This section describes procedures for EtherNet/IP or DeviceNet projects and how to:

- add one or more nodes
- edit an EtherNet/IP node
- edit a DeviceNet node
- modify tag names
- edit, clone or delete a node
- build a tag list
- and import tags into Logix Designer/RSLogix 5000.

◆ Add a Node

1. Click the “Add New Node” button on the Tag Generator Main Screen.

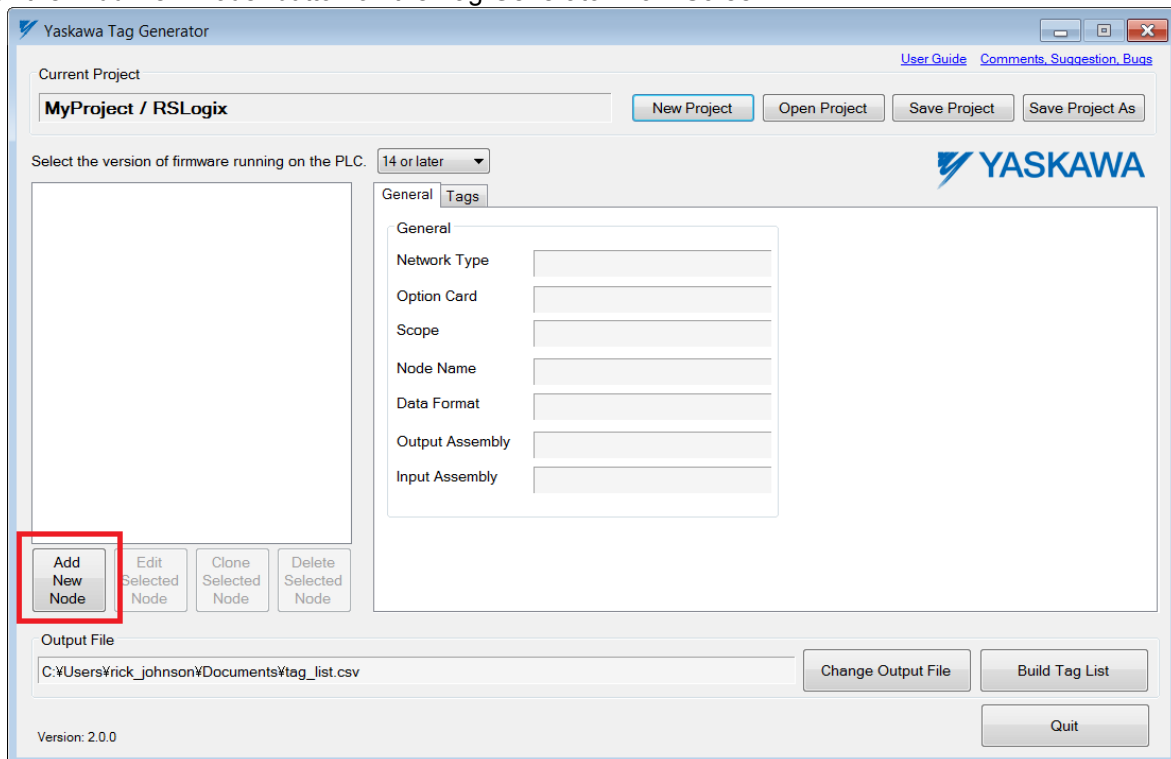


Figure 3 Add New Node Button

2. Click the radio button to choose the network type, next click the drop-down list to choose the communication option installed on the Yaskawa drive.

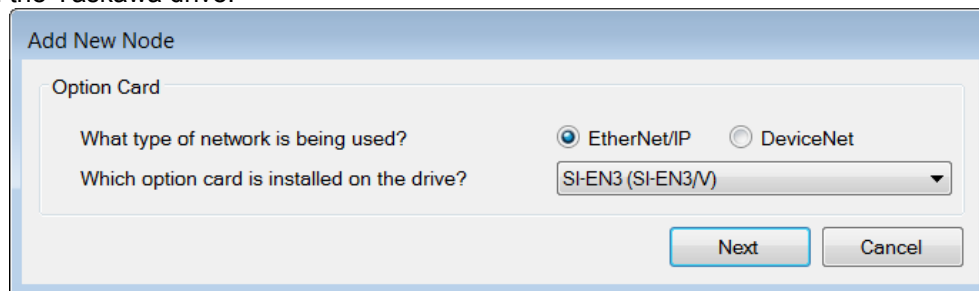


Figure 4 Add New Node Dialog

3. Click the "Next" button.
4. Proceed to [Refer to Edit an EtherNet/IP Node on page 12](#) for an EtherNet/IP network.
Proceed to [Refer to Edit a DeviceNet Node on page 13](#) for a DeviceNet network.

◆ Edit an EtherNet/IP Node

Follow this procedure to edit node settings for an EtherNet/IP node.

1. Match the fields in the "Edit EtherNet/IP Node" dialog to the configuration in Logix Designer/RSLogix 5000 software. Click the "Finish" button when all values are set.

NOTICE: *Abnormal Equipment Operation.* Match the fields in the "Edit EtherNet/IP Node" dialog to the configuration in Logix Designer/RSLogix 5000 software. Invalid or mismatched tags may cause erroneous operation.

Edit EtherNet/IP Node

The below settings must match how the node is configured in RSLogix 5000.

The node must configured in RSLogix 5000 to use this data size. Data Format INT (16-bit)

The Input Assembly will be automatically chosen, depending on the Output Assembly selected. If you want to select a different Input Assembly, uncheck "Pair Assemblies". Pair Assemblies

Specify the scope for this node's tags. Leave blank to use controller scope. Output Assembly 20 - Basic Speed Command

Specify the name of this node. Input Assembly 70 - Basic Speed Status

Scope MainProgram

Node Name Drive1

Previous Finish Cancel

Figure 5 Edit EtherNet/IP Node Dialog

Table 2 Field Descriptions for the Edit EtherNet/IP Node Dialog

Dialog Field	Description
Data Format (Display only):	Field displays tag data size. The tags are created based on the data size displayed here. This field is for display only and not configurable in the Tag Generator. The data in this display field must be manually mapped in RSNetWorx.
Pair Assemblies (Checkbox):	Select this checkbox when using matching assemblies. Example: Output Assembly 20 is typically paired with Input Assembly 70. Deselect this checkbox to use differing assemblies.
Output Assembly (Drop-down list):	Select the desired Output Assembly.
Input Assembly (Drop-down list):	Select the desired Input Assembly when the "Pair Assemblies" checkbox is deselected.
Scope (Textbox):	Specify the scope for this node's tags. Leave blank to use the controller scope. The default value for this field is "MainProgram".
Node Name (Textbox):	Enter the name of the node in this text box to match the node name in Logix Designer/RSLogix 5000.

◆ Edit a DeviceNet Node

Follow this procedure to edit node settings for an DeviceNet node.

1. Match the fields in the "Edit DeviceNet/IP Node" dialog to the configuration in Logix Designer/RSLogix 5000 software. Click the "Finish" button when all values are set.

NOTICE: *NOTICE: Abnormal Equipment Operation. Match the fields in the "Edit DeviceNet Node" dialog to the configuration in Logix Designer/RSLogix 5000 software. Invalid or mismatched tags may cause erroneous operation.*

Figure 6 Edit DeviceNet Node Dialog

Table 3 Field Descriptions for the Edit DeviceNet Node Dialog

Dialog Field	Description
Data Format (Display only):	Field displays tag data size. The tags are created based on the data size displayed here. This field is for display only and not configurable in the Tag Generator. The data in this display field must be manually mapped in RSNetWorx.
Pair Assemblies (Checkbox):	Select this checkbox when using matching assemblies. Example: Output Assembly 20 is typically paired with Input Assembly 70. Deselect this checkbox to use differing assemblies.
Output Assembly (Drop-down list):	Select the desired Output Assembly.
Input Assembly (Drop-down list):	Select the desired Input Assembly when the "Pair Assemblies" checkbox is deselected.
Scope (Textbox):	Specify the scope for this node's tags. Leave blank to use the controller scope. The default value for this field is "MainProgram".

Dialog Field	Description
Node Name (Textbox):	Enter the name of the node in this text box to match the node name in Logix Designer/RSLogix 5000.
Module Slot # (Textbox):	Specify the slot number of the module that will indirectly reference the DeviceNet tags.
Location (Textbox):	Enter "Local" in this textbox if the DeviceNet scanner is on the same chassis as the CPU. Otherwise enter the name of the remote scanner/adaptor in this textbox.
Input and Output Assembly Offsets (Textbox, 2 each):	Enter the Input and Output Assembly offsets to match the data mapping location within the PLC memory. NOTICE: Abnormal Equipment Operation. Ensure the Input and Output Assembly offset values match the data mapping location in the PLC memory. Invalid or mismatched values will report improper data back to the tags and may cause erroneous operation.
Include COS (Checkbox):	Select this checkbox to include the "Change of State" data if required.
COS Offset (Textbox):	Enter the offset value to match the data mapping location in the PLC memory when the "Include COS" checkbox is selected.

◆ Modify Tag Names

The Tag Generator provides the option to modify tag names and descriptions for each application. Follow these steps to modify tag names.

1. Select the "Tags" tab in the "Yaskawa Tag Generator" dialog, then select a tag to edit and click the "Edit Selected Tag" button to display the "Edit Tag" dialog.

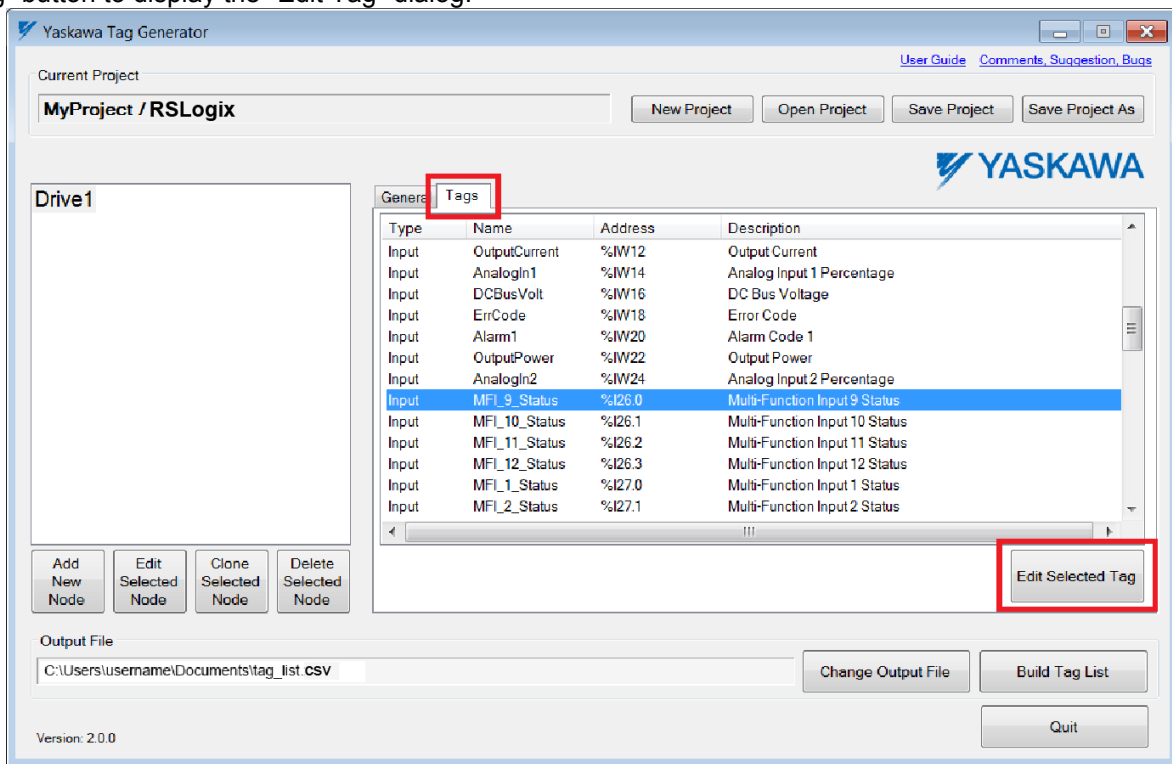


Figure 7 Yaskawa Tag Generator Dialog

2. Enter the new tag information in the “New Tag Description” and “New Tag Name” text boxes to modify the existing tag data.

The “Current Tag Description” and “Current Tag Name” text boxes display the currently assigned tag description and name.

Optional: Click the “Reset to Defaults” button to reset the values in the “New Tag Description” and “New Tag Name” text boxes to the default values shown in the “Default Tag Description” and “Default Tag Name” text boxes.

Figure 8 Edit Tag Dialog

◆ Edit, Clone or Delete Nodes (Optional)

1. **Edit a node:** Double-click on a node in the list or select the node and click the “Edit Selected Node” button to edit existing nodes.
2. **Clone a node:** Use the Clone feature to easily duplicate several nodes.
Select a node within the “Tags” tab and click the “Clone Selected Node” button, and give the new node a name to clone the node.
3. **Delete a node:** Select a node within the “Tags” tab and click the “Delete Selected Node” button to remove a node.

Type	Name	Address	Description
Input	OutputCurrent	%IW12	Output Current
Input	AnalogIn1	%IW14	Analog Input 1 Percentage
Input	DCBusVolt	%IW16	DC Bus Voltage
Input	ErrCode	%IW18	Error Code
Input	Alarm1	%IW20	Alarm Code 1
Input	OutputPower	%IW22	Output Power
Input	AnalogIn2	%IW24	Analog Input 2 Percentage
Input	MFI_9_Status	%I26.0	Multi-Function Input 9 Status
Input	MFI_10_Status	%I26.1	Multi-Function Input 10 Status
Input	MFI_11_Status	%I26.2	Multi-Function Input 11 Status
Input	MFI_12_Status	%I26.3	Multi-Function Input 12 Status
Input	MFI_1_Status	%I27.0	Multi-Function Input 1 Status
Input	MFI_2_Status	%I27.1	Multi-Function Input 2 Status

Figure 9 Edit, Clone or Delete Nodes

◆ Build a Tag List

Follow these steps to build the tag list.

1. Ensure all project modifications are made, nodes are added, and tag names are defined.
2. Determine the location of the output file.
3. Click the “Change Output File” button on “Yaskawa Tag Generator” dialog to specify the output file name and location.
4. The default location and file name is C:\Users\Username\Documents\tag_list.csv.

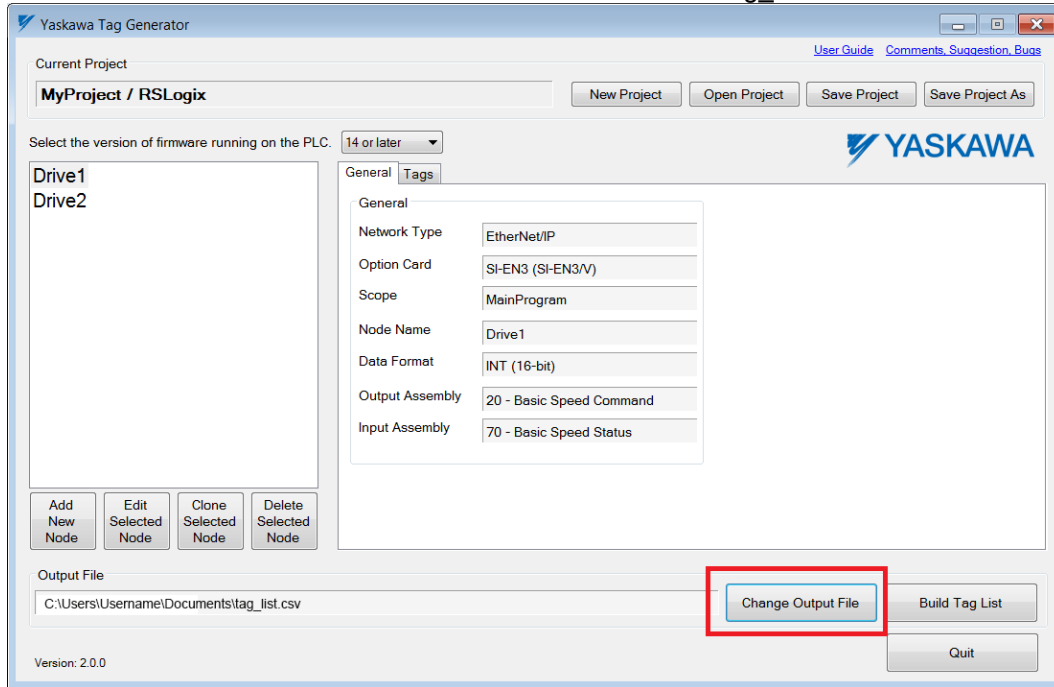


Figure 10 Change Output File Button

5. Specify the "Save As" folder location and "File name" in the “Save As” dialog and click the "Save" button.

Note: The Tag Generator will automatically use extension “.csv” for EtherNet/IP or DeviceNet projects.

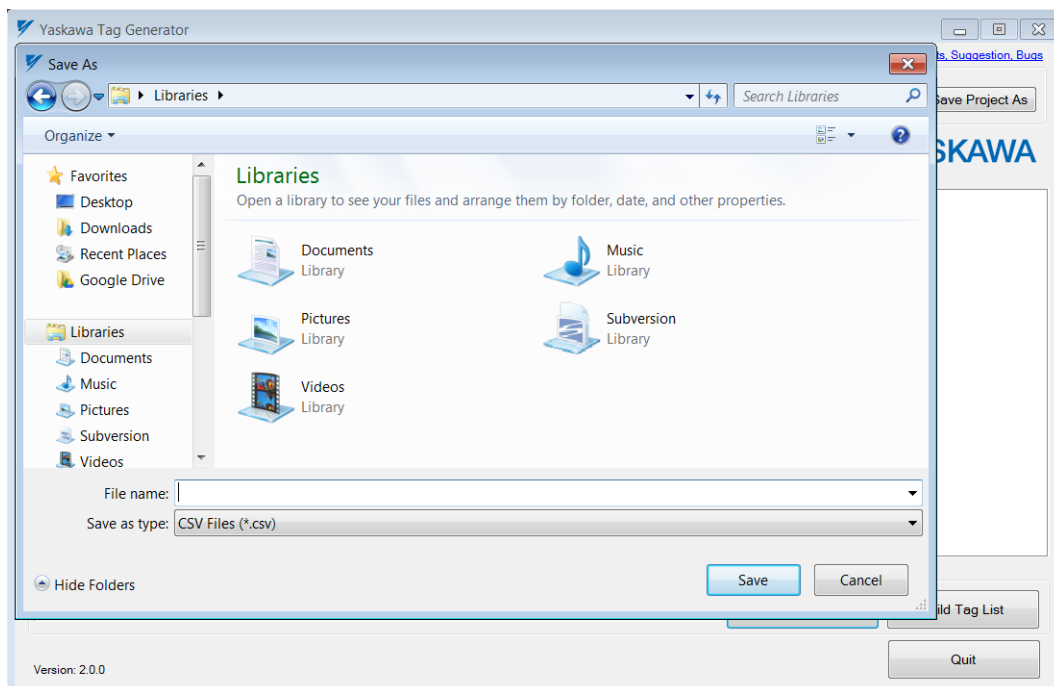


Figure 11 "Save As" Dialog for Tag Name and File Location

- Click the “Build Tag List” button within the Yaskawa Tag Generator dialog, next click "OK" within the resulting Success dialog.

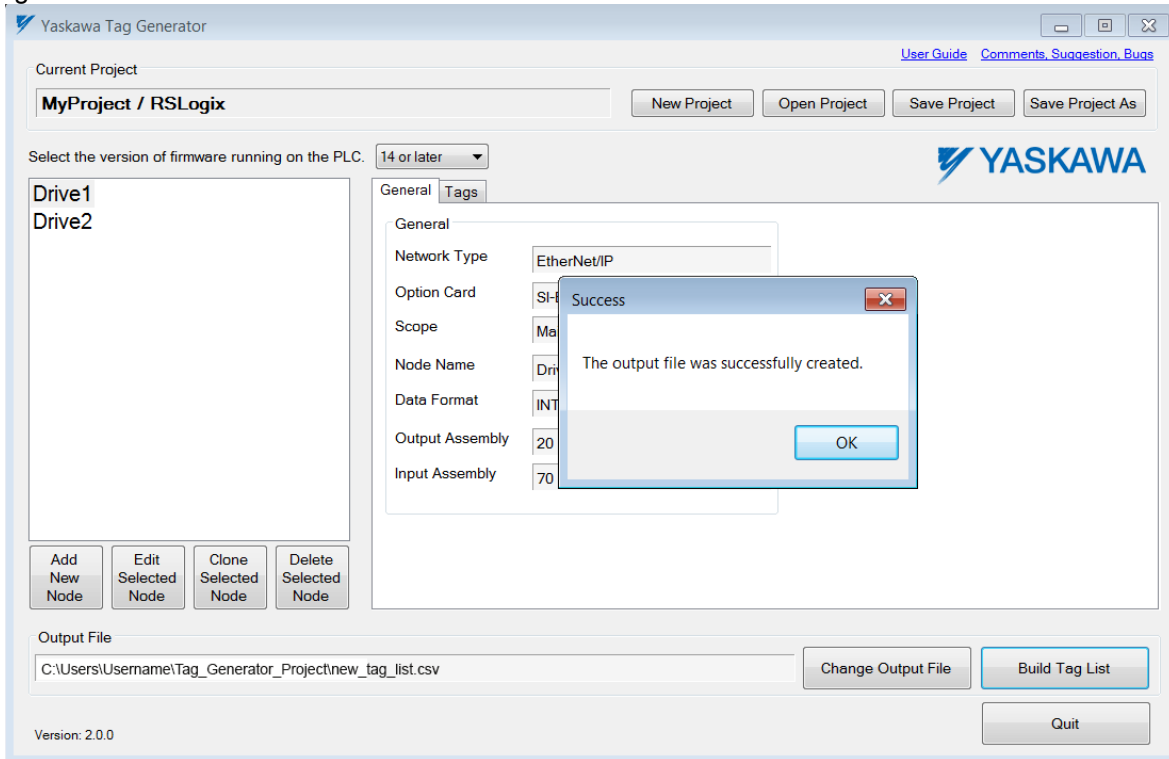


Figure 12 Successful Creation of an Output File

- Example of a Logix Designer/RSLogix 5000 *.CSV output file.

```

remark,"Created by Yaskawa Tag Gen utility"
remark,"Date: 2015/02/10"
remark,"Time: 9:49:18"
remark,""
0,3
TYPE,SCOPE,NAME,DESCRIPTION,DATATYPE,SPECIFIER,ATTRIBUTES
remark,""
remark,"Tags created for asd"
remark,""
ALIAS,MainProgram,asd_Faulted,Fault Status Bit,,asd:I.Data[0].0,(RADIX := Binary)
ALIAS,MainProgram,asd_Alarm,Alarm Status Bit,,asd:I.Data[0].1,(RADIX := Binary)
ALIAS,MainProgram,asd_RunningFwd,Running Forward,,asd:I.Data[0].2,(RADIX := Binary)
ALIAS,MainProgram,asd_RunningRev,Running Reverse,,asd:I.Data[0].3,(RADIX := Binary)
ALIAS,MainProgram,asd_DrvRdy,Drive Ready,,asd:I.Data[0].4,(RADIX := Binary)
ALIAS,MainProgram,asd_NetCtrlSts,Net Control Status: On = Start/Stop coming from the network.,,asd:I.Data[0].5,(RADIX := Binary)
ALIAS,MainProgram,asd_NetRefSts,Net Ref Status: On = Frequency Reference coming from the network (if B1-02 is not equal to 3).,,asd:I.Data[0].6,(RADIX := Binary)
ALIAS,MainProgram,asd_SpdAgree,Speed Agree,,asd:I.Data[0].7,(RADIX := Binary)
ALIAS,MainProgram,asd_DriveState,Drive - Control Supervisor State,,asd:I.Data[0].8,(RADIX := Decimal)
ALIAS,MainProgram,asd_ActSpd,Actual Speed,,asd:I.Data[1],(RADIX := Decimal)
ALIAS,MainProgram,asd_RunFwd,Run Forward Command,,asd:O.Data[0].0,(RADIX := Binary)
ALIAS,MainProgram,asd_RunRev,Run Reverse Command,,asd:O.Data[0].1,(RADIX := Binary)
ALIAS,MainProgram,asd_FLtRst,Fault Reset Command,,asd:O.Data[0].2,(RADIX := Binary)
ALIAS,MainProgram,asd_NetCtrl,On will allow start/stop control from the network (if B1-02 is not equal to 3).,,asd:O.Data[0].5,(RADIX := Binary)
ALIAS,MainProgram,asd_NetRef,On will allow frequency reference to come from the network (if B1-01 is not equal to 3).,,asd:O.Data[0].6,(RADIX := Binary)
ALIAS,MainProgram,asd_FreqRef,Frequency Reference,,asd:O.Data[1],(RADIX := Decimal)
    
```

Figure 13 Example: Logix Designer/RSLogix 5000 *.CSV Output File

◆ Import Tags into Logix Designer/RSLogix 5000

Follow this procedure to import tags from the Tag Generator into Logix Designer/RSLogix 5000.

1. Open the PLC project in Logix Designer/RSLogix 5000.

NOTICE: Ensure Logix Designer/RSLogix 5000 is offline, as tags can only be imported into Logix Designer/RSLogix 5000 in offline mode.

2. Select “Import”, then “Tags and Logic Comments...” using the “Tools” drop-down menu to open the Import dialog. Refer to [Figure 14](#).

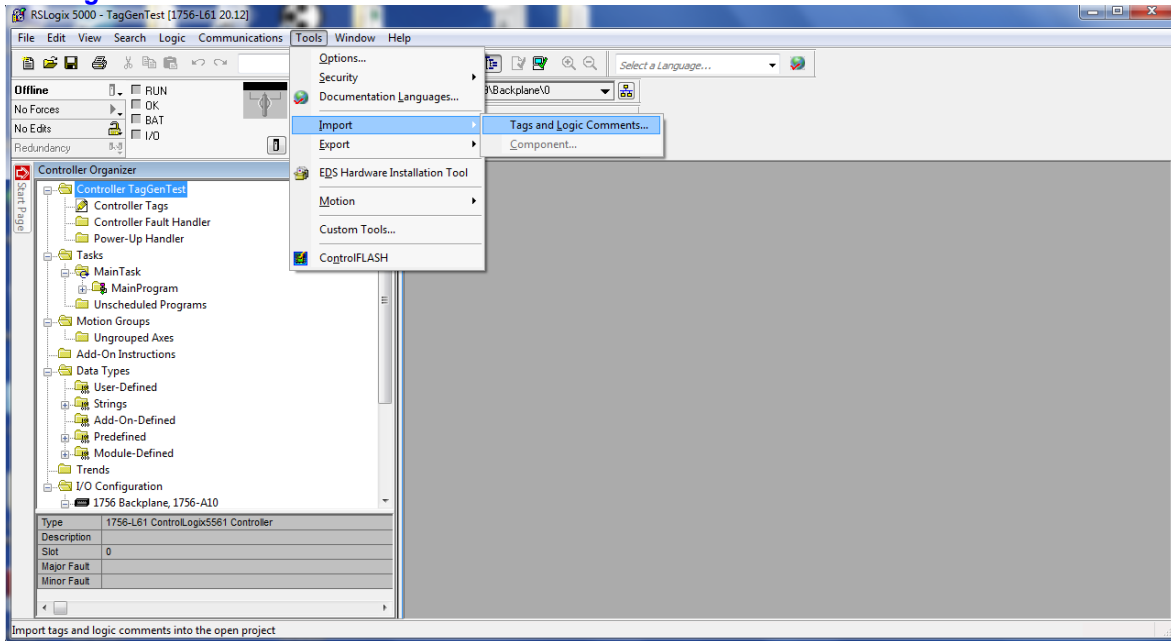


Figure 14 Import Tags into Logix Designer/RSLogix 5000

3. Browse to the *.CSV tag file, select it, and click the Import button using the Import dialog. Refer to [Figure 15](#).

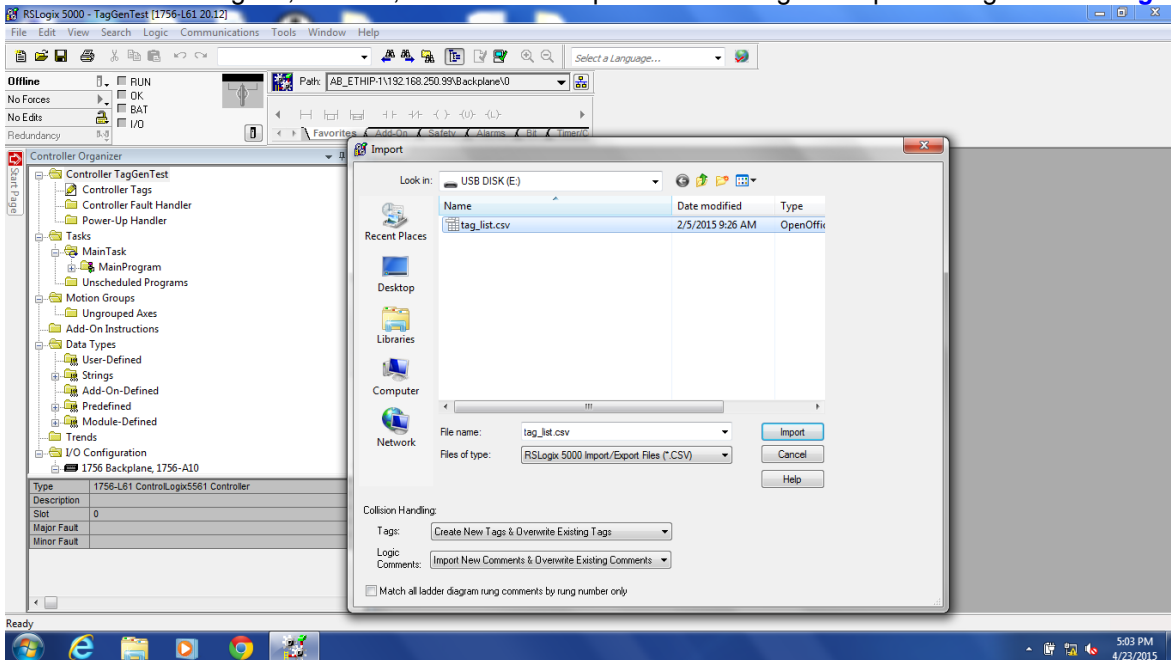


Figure 15 Select the *.CSV file for import

5 PROFINET or PROFIBUS Projects

After creating a new project, the next step to create new tags with the Tag Generator is to add one or more nodes. Follow these steps to add a node. Repeat these steps to add multiple nodes.

This section describes procedures for PROFINET or PROFIBUS projects and how to:

- add one or more nodes
- edit a PROFINET node
- edit a PROFIBUS node
- modify tag names
- edit, clone or delete a node
- build a tag list
- and import tags into TIA Portal software.

◆ Add a Node

Follow these steps to add one or more nodes.

1. Click the “Add New Node” button on the Tag Generator Main Screen.

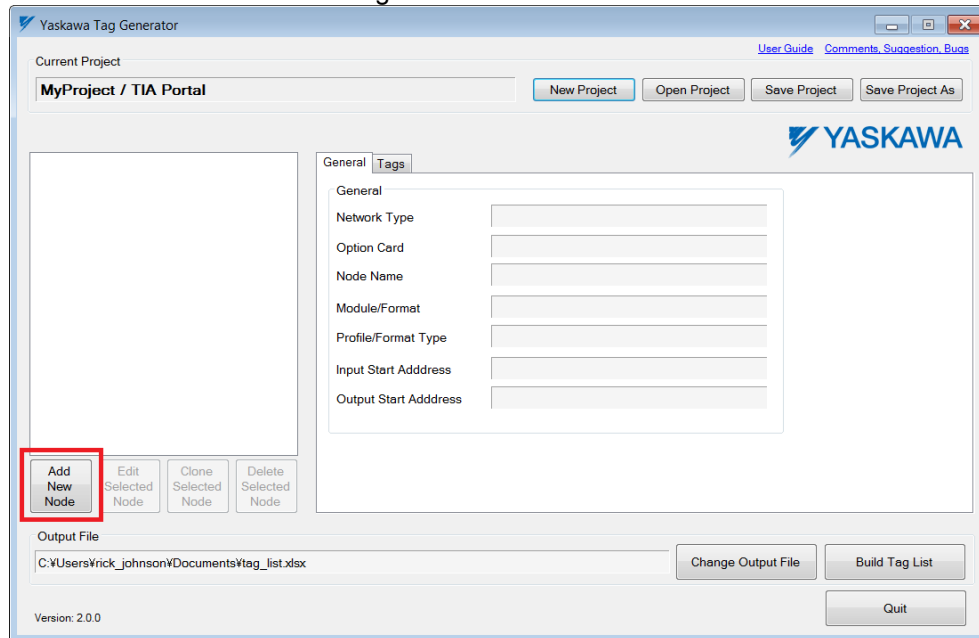


Figure 16 Add New Node Button

2. Click the radio button to choose the network type, next click the drop-down list to choose the communication option installed on the Yaskawa drive.

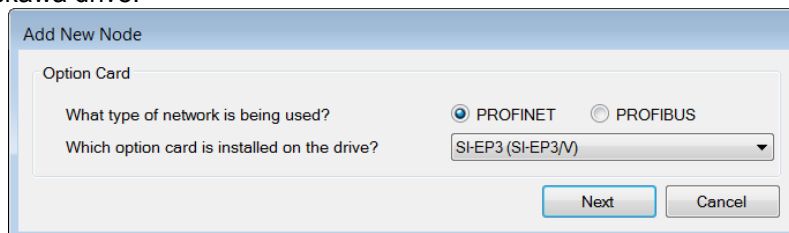


Figure 17 Add New Node Dialog

3. Click the "Next" button.
4. [Refer to Edit a PROFINET Node on page 20](#) for a PROFINET network. [Refer to Edit a PROFIBUS Node on page 21](#) for a PROFIBUS network.

◆ Edit a PROFINET Node

Follow this procedure to edit node settings for a PROFINET node.

1. Match the fields in the "Edit PROFINET Node" dialog to the configuration in TIA Portal software. Click the "Finish" button when all values are set.

NOTICE: *Abnormal Equipment Operation. Match the fields in the "Edit PROFINET Node" dialog to the configuration in TIA Portal software. Invalid or mismatched tags may cause erroneous operation.*

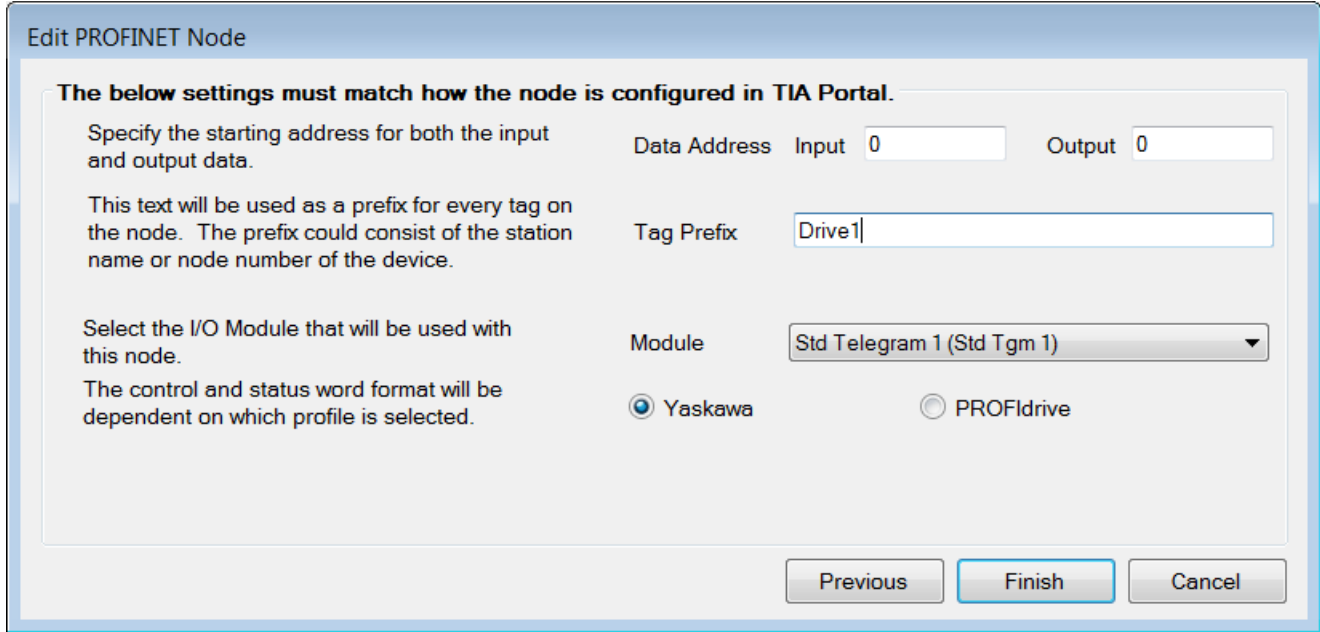


Figure 18 Edit PROFINET Node Dialog

Table 4 Field Descriptions for the Edit PROFINET Node Dialog

Dialog Field	Description
Data Address-Input/Output (Textbox):	Specifies the starting address for input and output data. Enter addresses in these text boxes to match the addresses configured in TIA Portal.
Tag Prefix (Textbox):	Enter a value to uniquely identify the node tags from other nodes. The prefix may consist of a station name or a node number of the device. This text will be used as a prefix for every tag on the node.
Module (Drop-down list):	Select the I/O Module that will be used with this node. Ensure the selected module matches the module configured in the TIA Portal.
Yaskawa or PROFdrive (Radio button):	Select the radio button next to the value that matches the control and status configuration in TIA portal.

◆ Edit a PROFIBUS Node

Follow this procedure to edit node settings for a PROFIBUS node.

1. Match the fields in the "PROFIBUS Node" dialog to the configuration in TIA Portal software. Click the "Finish" button when all values are set.

NOTICE: *Abnormal Equipment Operation.* Match the fields in the "Edit PROFIBUS Node" dialog to the configuration in TIA Portal software. Invalid or mismatched tags may cause erroneous operation.

Figure 19 Edit PROFIBUS Node dialog

Table 5 Field Descriptions for the Edit PROFIBUS Node Dialog

Dialog Field	Description
Data Address-Input/Output (Textbox):	Specifies the starting address for input and output data. Enter addresses in these text boxes to match the addresses configured in TIA Portal.
Tag Prefix (Textbox):	Enter a value to uniquely identify the node tags from other nodes. The prefix may consist of a station name or a node number of the device. This text will be used as a prefix for every tag on the node.
Conventional or PPO (Radio button):	Select the radio button to match the PROFIBUS-DP Data Format Selection parameter F6-32 in the drive.
Format (Drop-down list):	Select a received data format from the drop-down list to match the module configured in TIA Portal. List choices vary based on the Conventional or PPO selection.
PZD1 (Radio button):	Choose the appropriate radio button for use with the PLC program. Select "PZD1 = Ctrl/Sts Word" for control/status word. Select "PZD1 = Configurable" for configurable word or alternate purpose. This radio button is enabled when PPO is set in the "Format" field. The Tag Generator will generate multiple tags for each bit or a single tag for the whole word. PZD1 defaults to Control (STW) and Status (ZDW) words.

◆ Modify Tag Names

The Tag Generator provides the option to modify tag names and descriptions for each application. Follow these steps to modify tag names.

1. Select the "Tags" tab in the "Yaskawa Tag Generator" dialog, then select a tag to edit and click the "Edit Selected Tag" button to display the "Edit Tag" dialog.

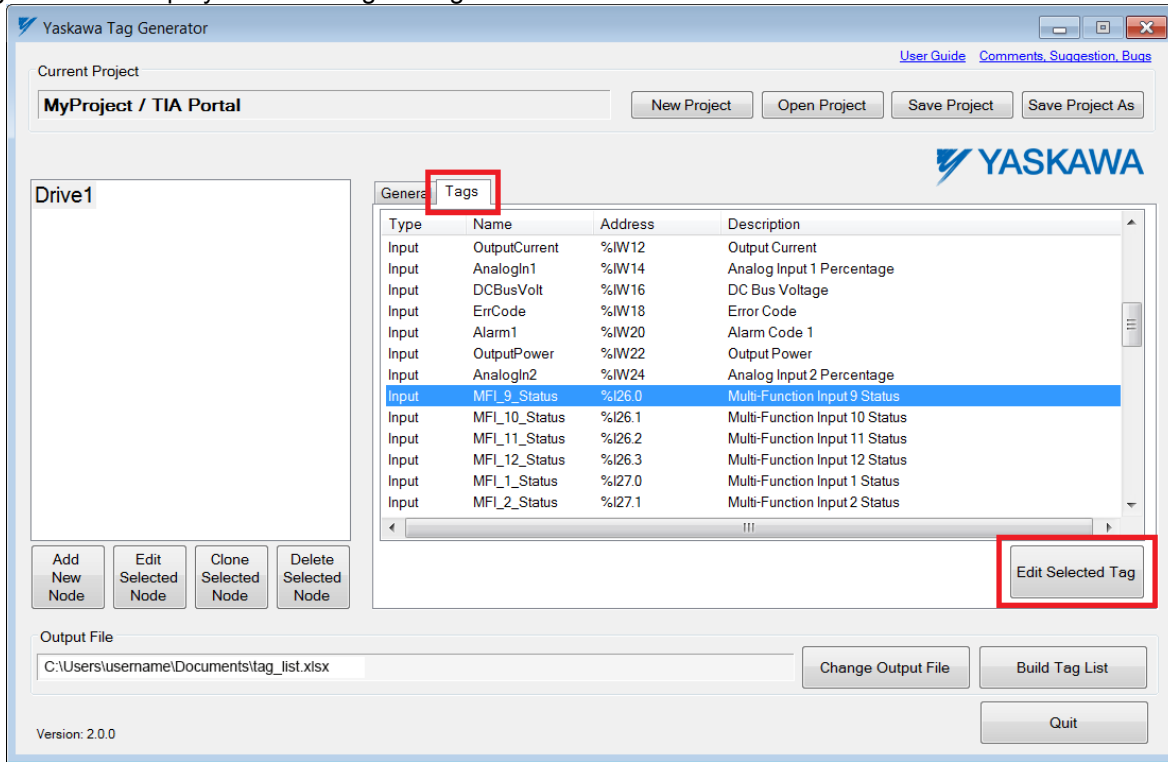


Figure 20 Yaskawa Tag Generator Dialog

2. Enter the new tag information in the "New Tag Description" and "New Tag Name" text boxes to modify the existing tag data.

The "Current Tag Description" and "Current Tag Name" text boxes display the currently assigned tag description and name.

Optional: Click the "Reset to Defaults" button to reset the values in the "New Tag Description" and "New Tag Name" text boxes to the default values shown in the "Default Tag Description" and "Default Tag Name" text boxes.

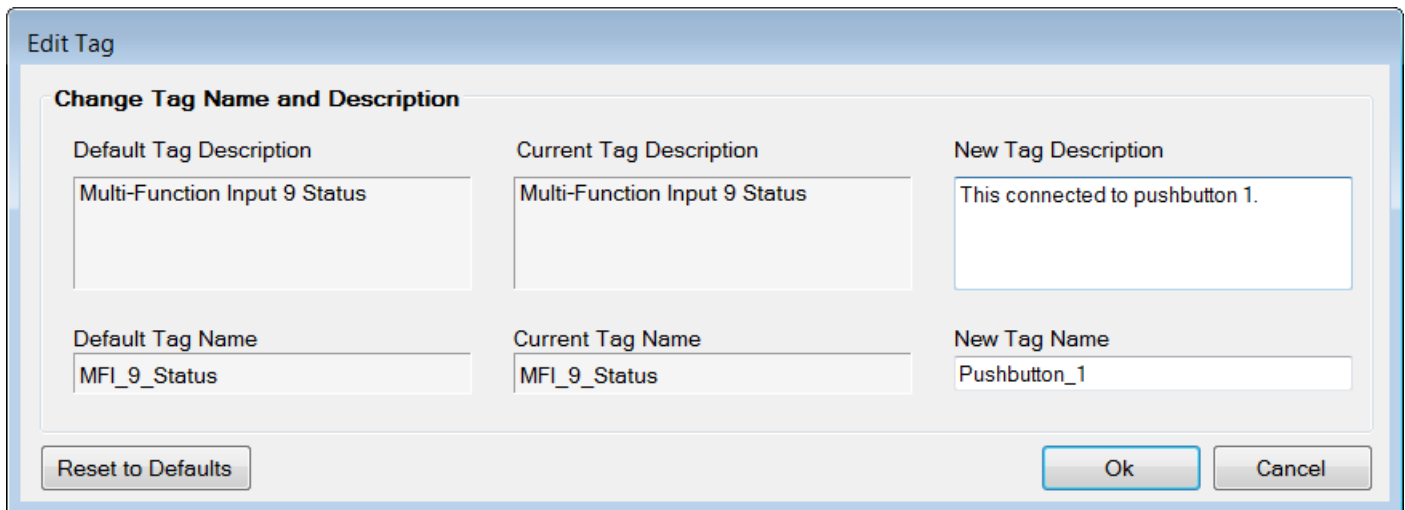


Figure 21 Edit Tag Dialog

◆ Edit, Clone or Delete Nodes (Optional)

- 1. Edit a node:** Double-click on a node in the list or select the node and click the “Edit Selected Node” button to edit existing nodes.
- 2. Clone a node:** Use the Clone feature to easily duplicate several nodes.
Select a node within the "Tags" tab and click the “Clone Selected Node” button, and give the new node a name to clone the node.
- 3. Delete a node:** Select a node within the "Tags" tab and click the “Delete Selected Node” button to remove a node.

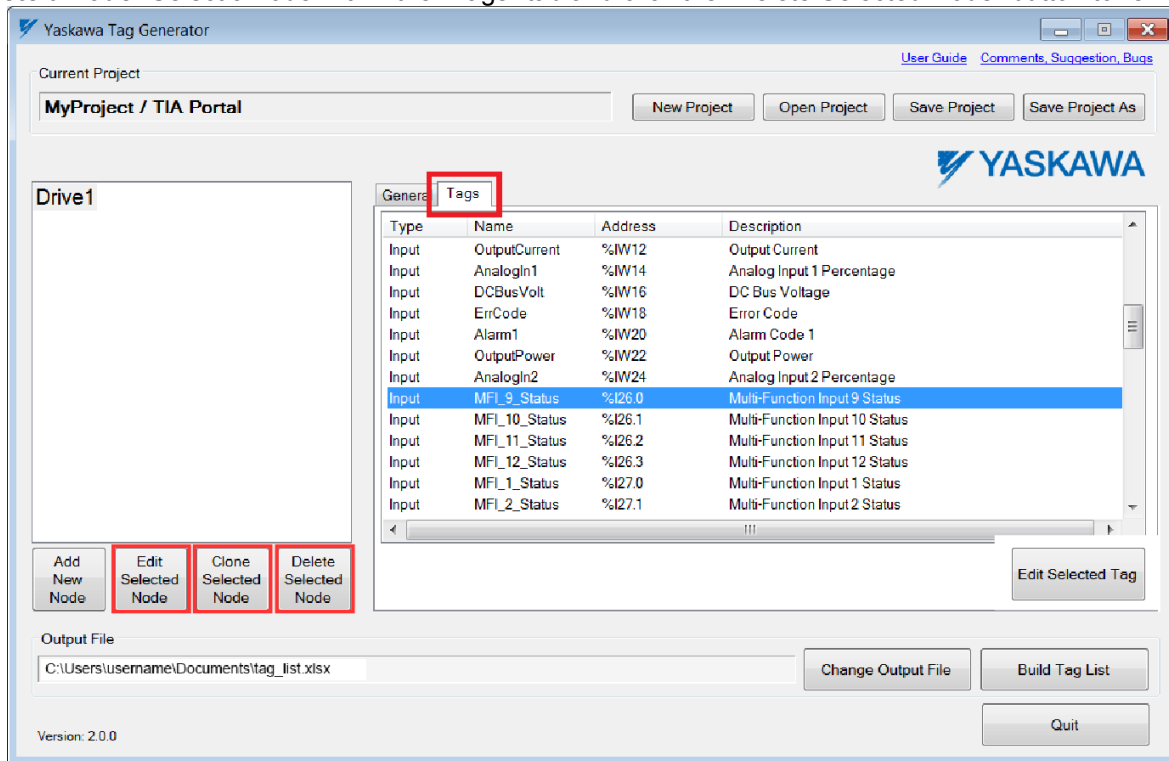


Figure 22 Edit, Clone or Delete Nodes

◆ Build a Tag List

1. Ensure all project modifications are made, nodes are added, and tag names are defined.
2. Determine the location of the output file.
3. Click the "Change Output File" button on "Yaskawa Tag Generator" dialog to specify the output file name and location.
4. The default location and file name is C:\Users\Username\Documents\tag_list.xlsx.

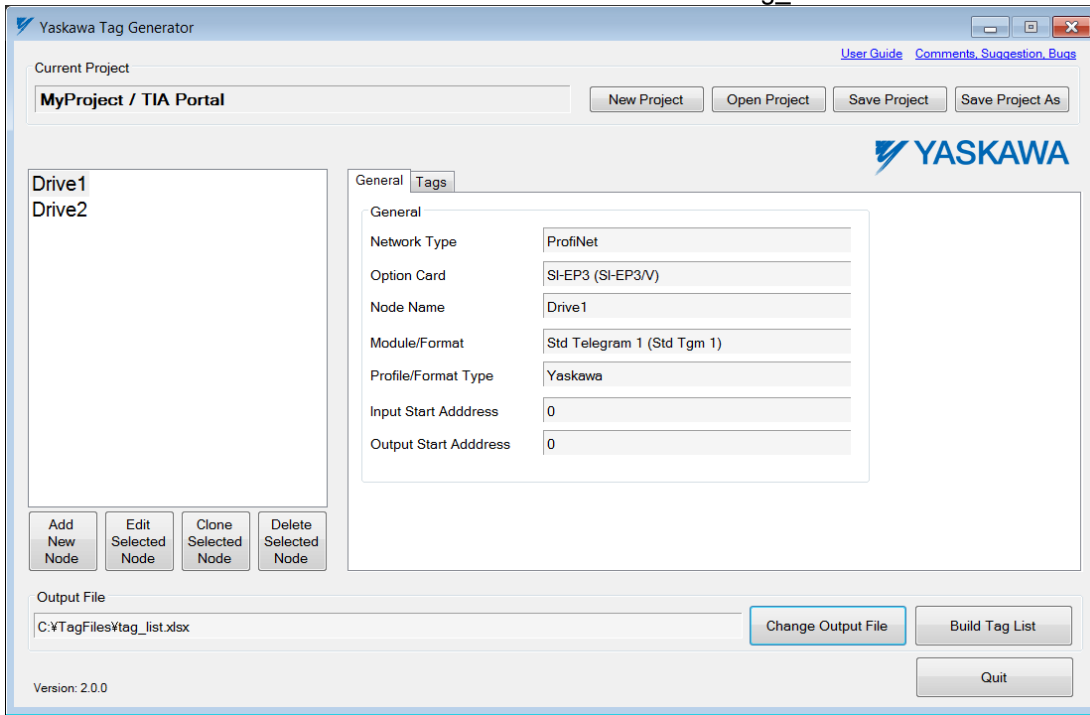


Figure 23 Yaskawa Tag Generator Dialog (Change output file)

5. Specify the "Save As" folder location and "File name" in the "Save As" window dialog and click the "Save" button.

Note: The Tag Generator will automatically use extension ".xlsx" for PROFIBUS or PROFINET projects.

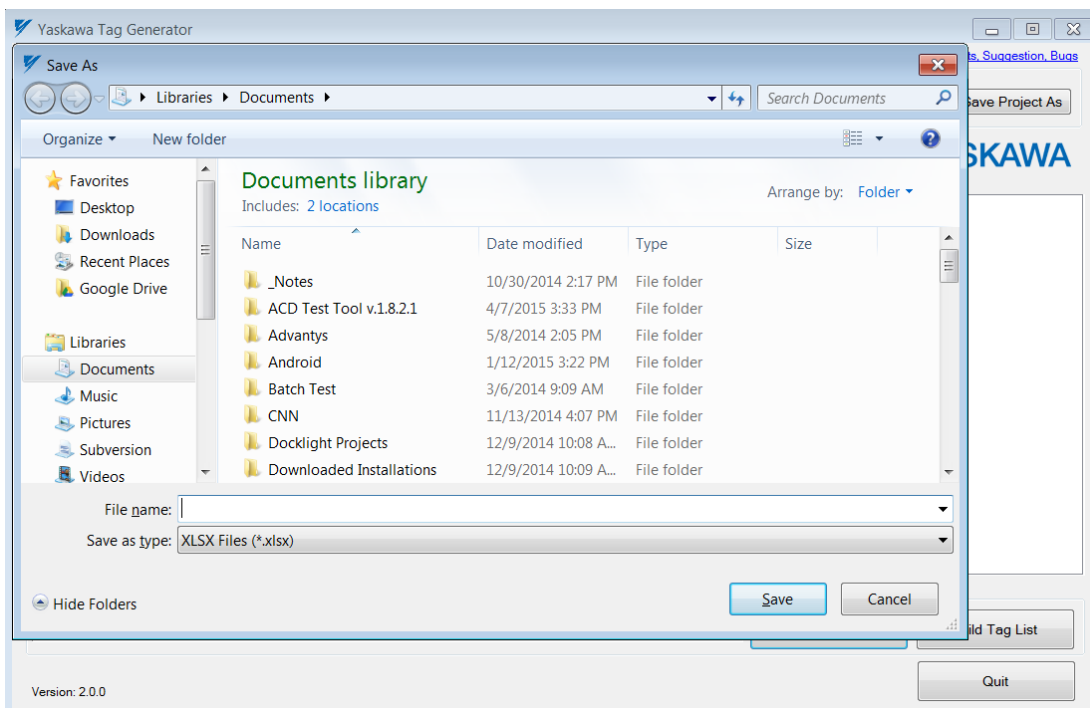


Figure 24 "Save As" Dialog for Tag File Location and File Name

- Click the “Build Tag List” button within the Yaskawa Tag Generator dialog, next click "OK" within the resulting Success dialog.

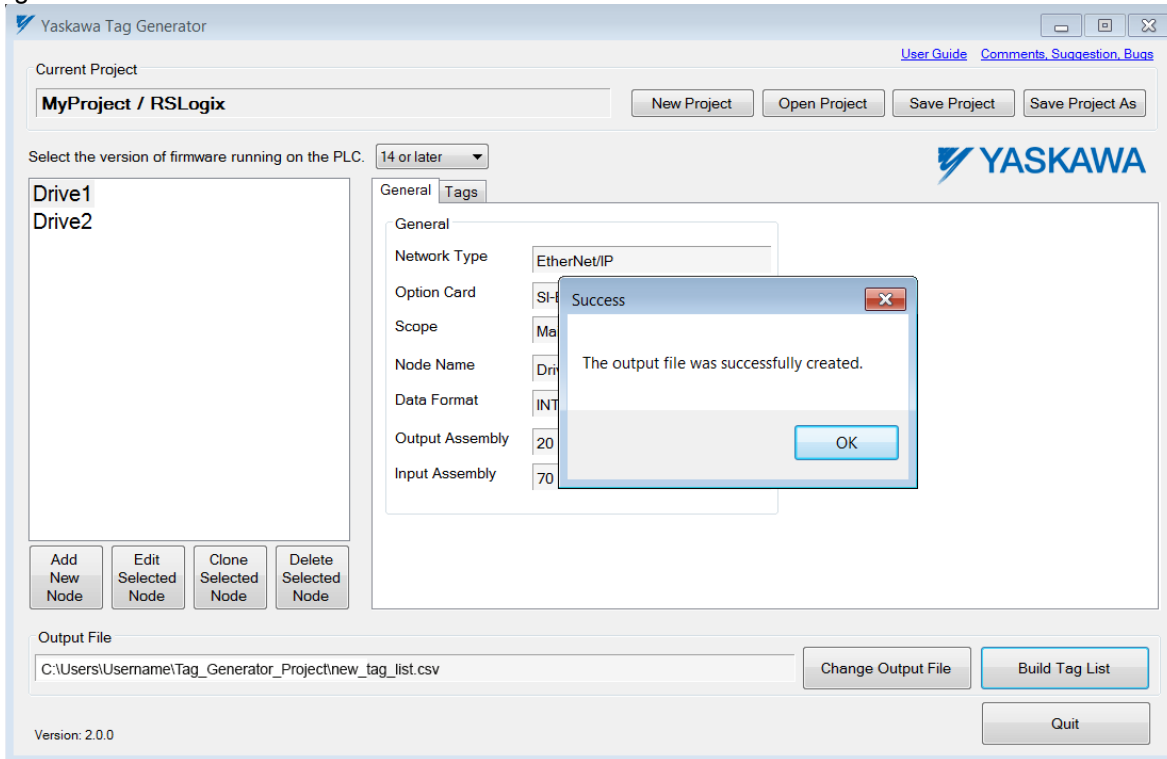


Figure 25 Successful Creation of an Output File

- Example of a TIA Portal *.XLSX output file.

Name	Path	Data Type	Logical Address	Comment	Hmi Visible	Hmi Accessible
Drive1_OPE_Fault	Drive1	Bool	%I0.0	OPE Fault	True	True
Drive1_UV_Fault	Drive1	Bool	%I0.1	Under Voltage Fault	True	True
Drive1_MtrSel	Drive1	Bool	%I0.2	Motor Select: On = Motor 2	True	True
Drive1_ZeroServo	Drive1	Bool	%I0.3	Zero Servo State	True	True
Drive1_NetRefSts	Drive1	Bool	%I0.6	Net Ref Status: On = Frequency Reference coming from the network.	True	True
Drive1_NetCtrlSts	Drive1	Bool	%I0.7	Net Control Status: On = Start/Stop coming from the network.	True	True
Drive1_Running	Drive1	Bool	%I1.0	Running	True	True
Drive1_ZeroSpeed	Drive1	Bool	%I1.1	Zero Speed	True	True
Drive1_Rev	Drive1	Bool	%I1.2	In Reverse	True	True
Drive1_FltRstSts	Drive1	Bool	%I1.3	Fault Reset Status	True	True
Drive1_SpdAgree	Drive1	Bool	%I1.4	Speed Agree	True	True
Drive1_DrvRdy	Drive1	Bool	%I1.5	Drive Ready	True	True
Drive1_Alarm	Drive1	Bool	%I1.6	Alarm Status Bit	True	True
Drive1_Faulted	Drive1	Bool	%I1.7	Fault Status Bit	True	True
Drive1_FreqRefSts	Drive1	Word	%IW2	Commanded Frequency Reference	True	True
Drive1_MFI_5	Drive1	Bool	%Q0.0	This bit will allow you to control Multi-Function Input 5	True	True
Drive1_MFI_6	Drive1	Bool	%Q0.1	This bit will allow you to control Multi-Function Input 6	True	True
Drive1_MFI_7	Drive1	Bool	%Q0.2	This bit will allow you to control Multi-Function Input 7	True	True
Drive1_MFI_8	Drive1	Bool	%Q0.3	This bit will allow you to control Multi-Function Input 8	True	True
Drive1_MFI_9	Drive1	Bool	%Q0.4	This bit will allow you to control Multi-Function Input 9	True	True

Figure 26 TIA Portal Example File

◆ Import Tags into TIA Portal Software

Follow this procedure to import tags from the Tag Generator into TIA Portal software. Refer to [Figure 27](#)

1. Open the PLC project in TIA Portal.
2. Expand the target PLC in the Devices project tree.
3. Expand PLC tags.
4. Double-click “Show all tags” in the Devices project tree.

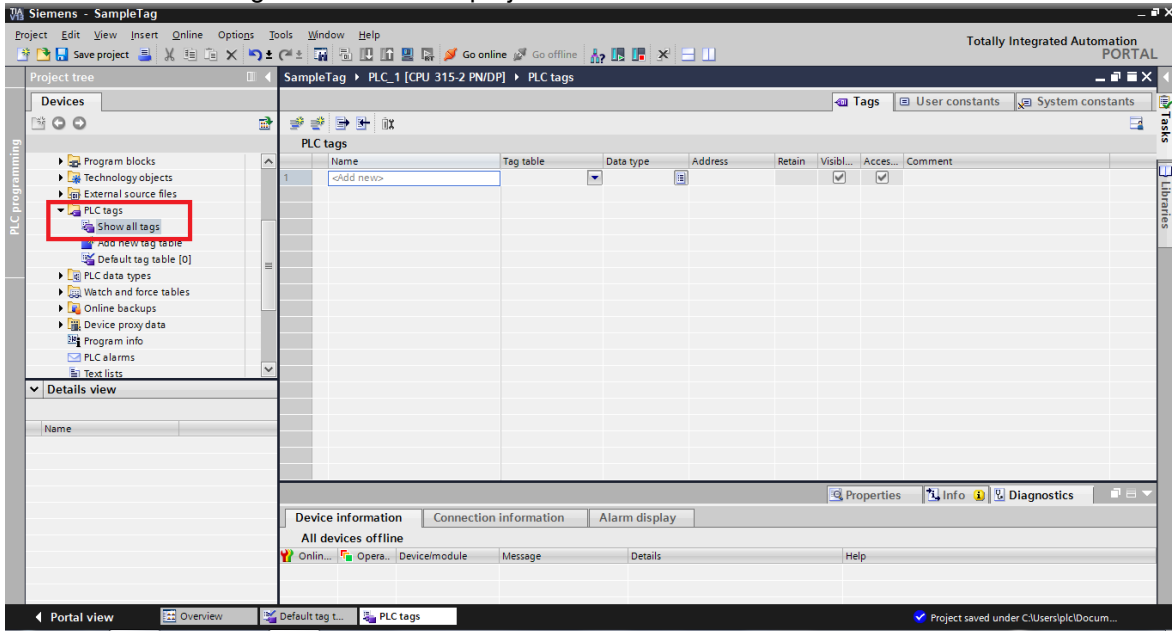


Figure 27 Expanded Devices Project Tree within TIA Portal

5. Click the Import icon on the main window tool bar to open the Import from Excel dialog. Refer to [Figure 28](#). Click the “...” icon in the “Import from Excel” dialog to browse to the *.XLSX tag file. Refer to [Figure 29](#).

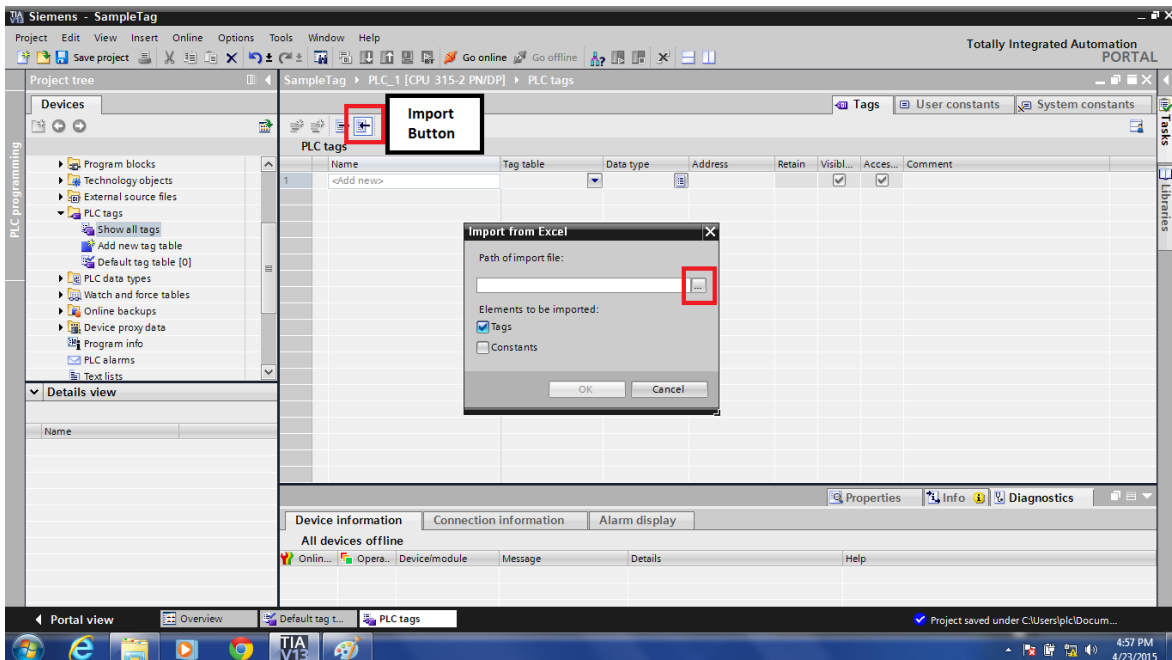


Figure 28 Import From Excel Dialog

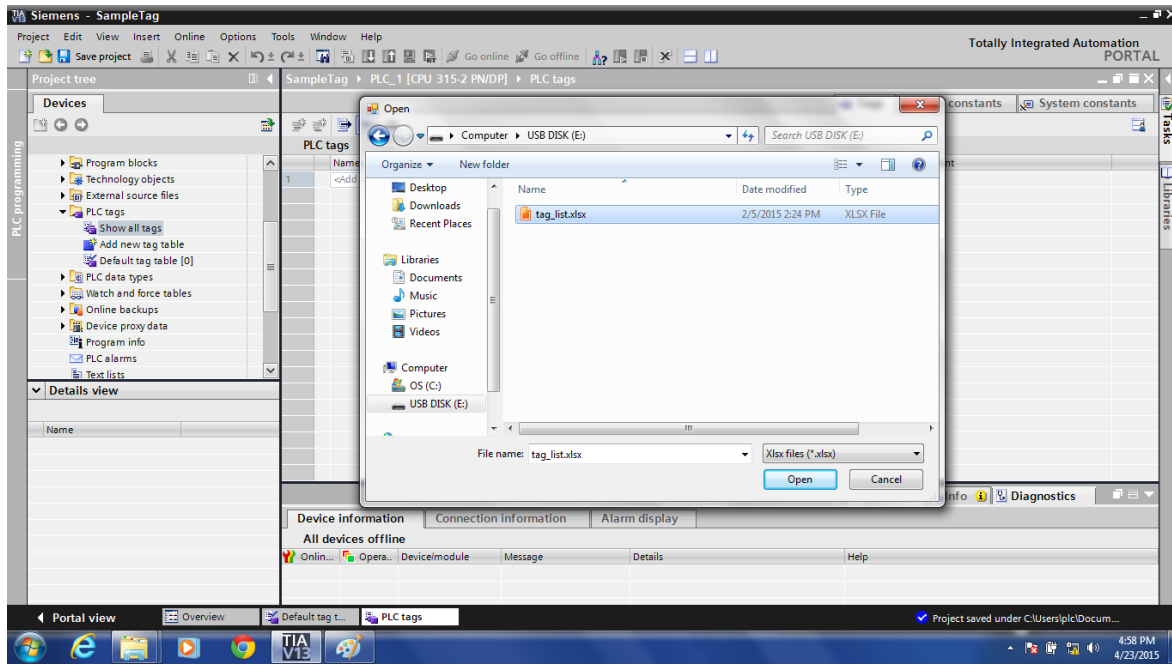


Figure 29 File Selection Browse Dialog

6. Select the *.XLSX tag file for import and click the Open button in the Open dialog to import the file. Refer to [Figure 29](#)
7. End

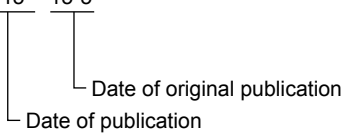
Revision History

The revision dates and the numbers of the revised manuals appear on the bottom of the back cover.

Example:

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Date of Publication	Revision Number	Section	Revised Content
May 2015	-	-	First Edition. This manual supports software version 2.0.0.

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Tag Generator Support Tool

for Logix Designer/RSLogix 5000 & TIA Portal

User Guide

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