

# AMI TwinSAFE Workaround - Safety Project Creation

How to create an AMI safety project to make a TwinSAFE AMI drive / motor compatible with a non-twinSAFE environment

## Contents

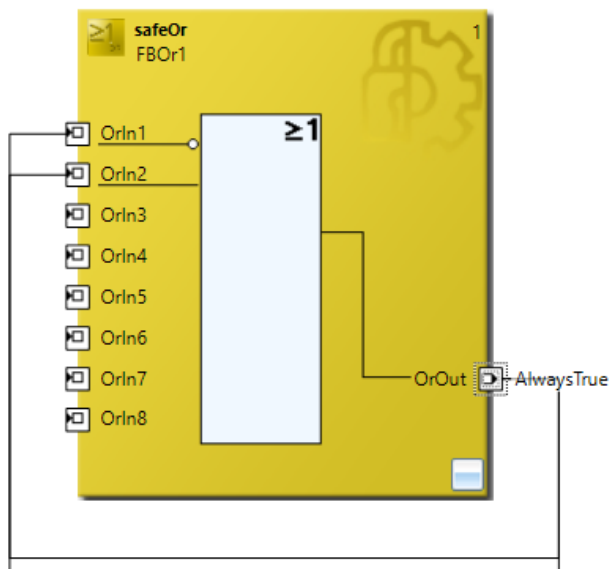
Create the Safety Project

Variable Mapping

Comments

## Create the Safety Project

- Add new Safety Project with preconfigured Input
- Target System - Link to safety PLC on correct axis
- Alias Devices->Add AM891x
- Create the safeOr in TwinSafeGroup
- Connect back on itself as per diagram

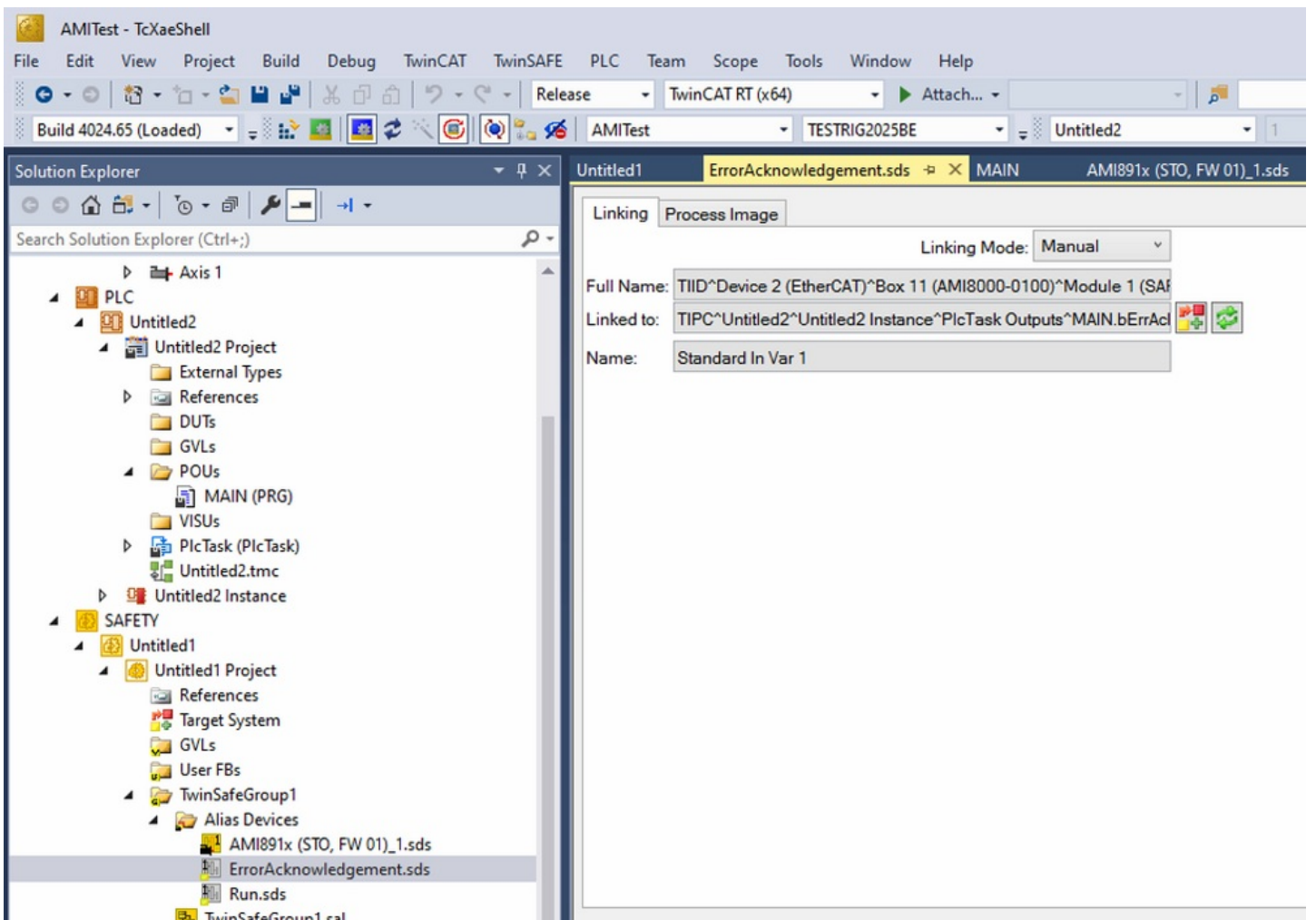


- OrIn1 is a break contact
- Assign the variable name AlwaysTrue to orOut
- Change the linking mode of the AMI to "Local"

## Variable Mapping

Variable Mapping				
Variables				
Variable	Scope	Assignment	Usages	Online Value
<b>Local</b>				
GroupPort_ErrAck	Local	ErrorAcknowledgement.In (TwinSafeGroup1)	TwinSafeGroup1.Err Ack AMI891x (STO, FW 01)_1.ChA_STO_ErrAck (TwinSafeGroup1)	
GroupPort_RunStop	Local	Run.In (TwinSafeGroup1)	TwinSafeGroup1.Run/Stop	
AlwaysTrue	Local	TwinSafeGroup1.Network1.FBOr1.OrOut	AMI891x (STO, FW 01)_1.ChA_STO_1 (TwinSafeGroup1) AMI891x (STO, FW 01)_1.ChA_STO_2 (TwinSafeGroup1) AMI891x (STO, FW 01)_1.ChA_no_STO_to_Drive (TwinSafeGroup1)	

- AlwaysTrue to AMI891x as diagram
- PLC Outputs
  - bErrAck -> ErrorAcknowledgement.sds
  - bSafetyRun->Run.sds



See Also

- Adding TwinSAFE projects to AMI Motors
- Downloading AMI Motor Safety Project
- Preparing a C0001401B for TwinSAFE Project