

Industrial Automation Installed Base Risk Assessment

An assessment guide to verify supportability of installed automation systems

Introduction

Automation equipment is reliable and long lived, it operates in extreme conditions and has little demand for frequent change, however because of this the equipment is often not well maintained, is not upgraded frequently and the knowledge, skills and capability to manage those assets often becomes lost creating issues whenever a need arises

Quick Check Guide

The simple table below allows a self-check on the typical risks that may arise when maintaining Industrial control systems

		No	Some		Yes	
		1	2	3	4	5
Documentation	Installation Manuals					
	Operating Instructions					
	Maintenance Procedures					
Hardware	Tested Spare parts					
	Scheduled Maintenance plan					
	Obsolescence / Succession Plan					
	Repair program					
Software	Programming software & Licences					
	Suitable PC's with required OS					
	Back up or copies of PLC, HMI, VSD programs					
	SCADA OS backups					
	Secure Networks					
	Version control					
Engineering	Fully Trained Engineering Resource					
	24 x 365 support plan					
	Training program					

If you score below 24 your production is at is at high risk, which could result in heavy financial losses, customer dissatisfaction and loss of orders.

If you score between 25-40 you have taken reasonable measures, however a detailed risk assessment may be beneficial

If your score over 40 your manufacturing would be considered as low risk.

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