

CERTIFICATE

Certificate Id: ATCE_PA2003_038_Plantguard Connect

Category:	Connectivity Package
Product Name:	Plantguard Connect
Software Version:	1.01
Hardware Version:	-
Vendor:	ABB Automation St. Neots UK
Test Report:	3BSE043322
Test Basis:	System 800xA Version 3.1 and 4.x
Restrictions:	-

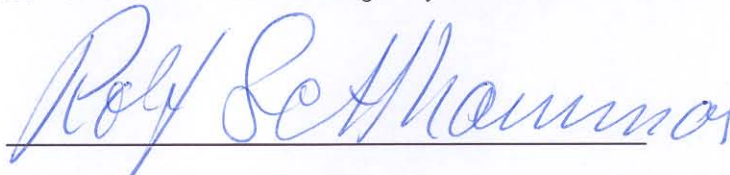
The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification – Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system. With a major release of the Certified product or the reference system, a new test is required to keep the certification current.

ABB Automation Technologies AB
721 59 Västerås, Sweden

Date: 2005-12-16

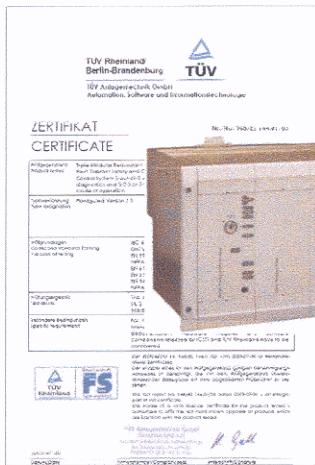
Representative for the official steering body for the Industrial IT Certification



Rolf Setthammar

Plantguard Connect

Industrial^{IT} Certification



Plantguard Connect enables the integration of the Plantguard TMR safety system with System 800xA Extended Automation System. This connect package:

- Installs Plantguard object types and aspects for all Plantguard hardware and I/O
- Uploads Plantguard applications into the 800xA control structure with tags and descriptions
- Provides object displays for all I/O
- Enables 800xA graphics to be applied to Plantguard variables
- Provides Plantguard events into the 800xA Events list

Certification results and product details are summarized below:

Product Overview				
Product Type	System Extension	Aspect System	Information Object	License Handling
	Yes	No	Information in objects	No
	OPC Server	Manufacturer OPC server	Product Name	Product Name
	Yes	ICS Triplex	Plantguard Connect	Plantguard Connect

Product Details					
Communications	Serial to Computer		OPC Server	Indirect via Controller	
	N/A		Yes	N/A	
OPC Server (OPC AE1.02)	Alarms	Events	System Alarms	Oper. Messages	HDA
	No	Yes	No	No	No
OPC Connection	Device Specific	Auto Generated	Data in OPC Server	OPC Config. Documentation	
	No	Yes	No	Yes	
Available Device Data (UI)	Device Type	Device ID	Data	Status	
	Via IsaGraph	Via IsaGraph	Yes	Yes	
Controller Support	Hart	Profibus	Foundation Fieldbus	Device Integration Package	
	No	No	No	No	
Required services			None		
Redundancy			Cable redundancy		
Configurable Addressing and Comms parameters			Yes, separate tool (IsaGraph)		
Security settings included for web interfaces			No web interface		

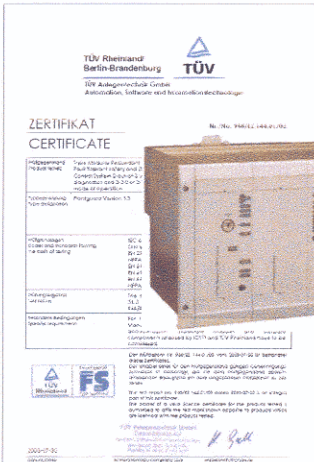
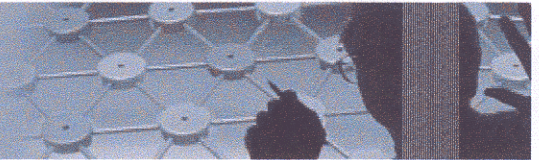
Engineering	
Configuration done with Aspect "Views"	No. (Separate configuration tool, IsaGraph)
Programming Language	OPC server implicit configured via IEC 61131 (ICS Triplex programming tool)

Operations	
Context sensitive navigation (right click or pull down)	N/A
On-line help	No, User's Manuals in Aspect Object
Cut / copy / paste supported (with other Aspect Systems)	Yes
NLS Support	Only for texts entered in the Plantguard Connect

Maintenance	
Backup and restore of application / configuration data	Yes
Status information presented in status viewer aspect	Yes
Application errors, debug and trace messages in Applog	Yes

Handwritten mark

Plantguard Connect Industrial^{IT} Certification



The Plantguard connect package consists of the following components:

- Plantguard Connect System Extension
 - Installs object types, including
 - Object icons
 - Displays
 - Faceplates
 - Documentation
- OPC Server
- "Data Uploader"
- Systems Status Viewer

The integrated Plantguard TMR safety system closely supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping

<input checked="" type="checkbox"/>	Reducing Time to Decision and Action <ul style="list-style-type: none"> - Plantguard events are integrated with 800xA (single event list) - Plantguard faceplates provide direct access to system status
<input checked="" type="checkbox"/>	Engineering for Maximum Performance <ul style="list-style-type: none"> - Plantguard application structure uploaded into 800xA (tags and descriptions) - Library of object types for Plant Guard
<input checked="" type="checkbox"/>	Reducing Risk through High Integrity Automation <ul style="list-style-type: none"> - Integrated SIL3 TMR safety controller enables high reliability and availability level of protection - Certified by TUV for SIL3 according to IEC61508
<input checked="" type="checkbox"/>	Optimizing Plant Asset Availability and Performance <ul style="list-style-type: none"> - Integrated TMR safety system has availability of 99.999+%
<input checked="" type="checkbox"/>	Integrating Information for Improved Visibility <ul style="list-style-type: none"> - Plantguard diagnostic information available as aspects in 800xA enabling operator efficiency
<input type="checkbox"/>	Improving Batch Production Profitability, Consistency and Traceability
<input type="checkbox"/>	Investment Enhancement through Evolution

AS