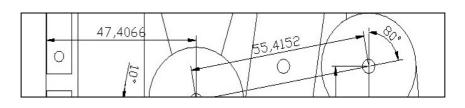
Gastgeb & Partner Informationssysteme Pater-Frey-Ring 69a D-86698 Oberndorf Tel. +49(0)9090 9598-363

Fax +49(0)9090 9598-369 Website: www.gastgeb.org Product: www.awa2000.de Email: info@gastgeb.org



PLC*plus

*if SPSplus is a brand name: please change back to SPSplus with: PLC = 'programmable logic controller' in parentheses

PLCplus, Solutions Library

- Online connection to Siemens and Mitsubishi controllers
- Direct Ethernet connection or access to database (OPC server)
- Historical cyclic storage scheme for value series
- Visualization of the control scheme and creation of control buttons
- Analysis of the value series
- Description of the automated switching operations
- Alarm format definition for errors

Aları	ntablea	au	
Tag/Steuerung	Adresse	Alarm	1
Alarm Rohproduktdaten Silo Abgang	+	06.03 07:24	
Alarm Rohproduktdaten Silo Zugang		14.55 22-00	
Alarm Rohproduktdaten Tani: Abgang		13.85 18.93	
Alarm Rohproduktdaten Tank Zugang	*	06.06 07:04	
Linie12	10.84,50.43	Offine	
Steverung Heizung	10.84.50.38	Official	
Steuerung Lüftung	10.84,50.37	Official	
Steuerung Master (Melsec Net)	10.84,50.40	Office	
Steuerung Trockner Linie 2	10.84.50.36	Officia	
Trockner Linie 1	10.84.50.42	Officia	
Trockner Linie 3	10.84.50.44	others	
		Bert. Date 7.5 State William	-



[awa_2000] Maintenance

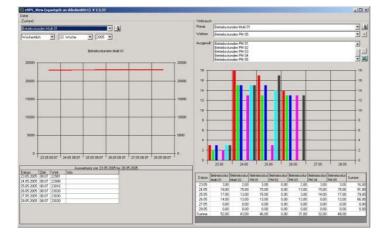
🗠 eSPS_Cor	nect ¥ 7.0.118		_ 🗆 🗙		
Datei					
Station:	ddedon0011				
Benutzer:	sgastgeb				
Steuerung:	rung: Steuerung Heizung wird abgefragt				
Adresse:	Abfrage: Kaltwasser Gesamtverbrauch_Vortag_Spät				
Wert	7				
	Schaltplan				
	🔽 Quittierungen				
	🔽 Tags				
	🔽 Historie				
Steuerung		Port	Status		
Trichteranlage		1285	OK		
APA			Err 25199627		
Trockner Linie 3		1286	OK		
Linie12			Err 25199627		
🚔 Trockner Linie 1			Err 25199627		
Steuerung Lüftung		1285	OK		
Steuerung Heizung		1287	OK		
Steuerung Trockner Linie 2		1286	OK		
Steuerung Master (Melsec Net)		1285	OK		
Abfrage ok					

Monitoring the Controls

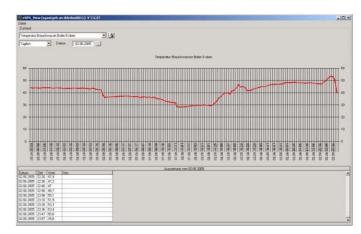
Alarm Format Definitions (AFD)

Each day, data can be recorded in optional intervals. The curve generated from the value series can be shown on screen and analyzed.

The output can also be rendered directly in Excel. In this way, the data maybe processed in any desired fashion.



Value Series Analyses



Data Series Curve

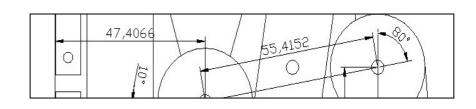
Time stamps containing values can be compared and differences over time may be calculated. In this way, usages can be output and analyzed.

The counters/meters themselves can be used as the basis for a meterbased preventive maintenance scheme.

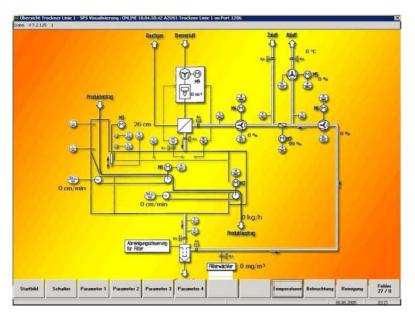
🕲 Termineinstellungen	X
Termin Beginn 17230 Serienmuster C Täglich C Wöchentlich C Monatlich C Jährlich C Zählich	Serienoptionen Zähler Betriebsstundenzähler alle 2000 . Einheiten
	<u>k</u> bbrechen

Service Scheme by Counter Reading Gastgeb & Partner Informationssysteme Pater-Frey-Ring 69a D-86698 Oberndorf Tel. +49(0)9090 9598-363 Fax +49(0)9090 9598-369

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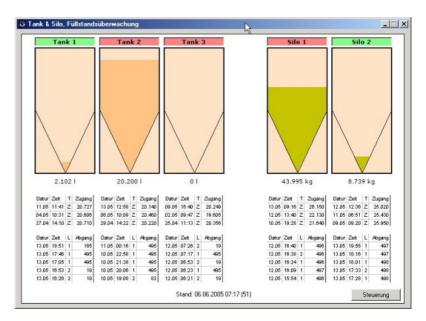
[awa_2000] Maintenance



Visualization and Control Buttons

Control Scheme Visualization

- Direct Ethernet connection to the control
- Optional connection via SQL server
- Monitoring, control and remote control
- Definition of the operating elements:
 - o Switch
 - Icon 0
 - Switch Key 0
 - Dependent Images 0 Dependent Texts
 - 0 Keyboard Block 0
- Scroll Bar 0
- Funnel 0
- o Graphics
- o and many other items.



Example: Tank and Silo Monitoring

The solution is designed as a component system and can be adapted and expanded at will. This is our suggestion in response to the many different needs of individual users. Individual adjustments are necessary in all cases.

- o Applying the solution to finished goods
- Visual Studio Developer API 0
- Description of the counters/meters connected via the control 0
- Call to the visualization code by directly using the surface 0

Available Modules:

- ePLC_Connect
 ePLC_Client
- ePLC_VisEdit
- ePLC_Visualization
 ePLC_History
- o ePLC_Planner
- o ePLC_View
- ePLC_AlarmFormat