

- Seit über fünf Jahren Erfahrung in der Entwicklung kundenspezifischer Software für:
 - Prüftechnik (Prüffeld, Prüf- und Teststände)
 - Messtechnik (Datenerfassung, Visualisierung)
 - Automatisierungstechnik (Prozeßsteuerung)
 - Bahntechnik (Fernwirktechnik, Leitstellen)

- Spezielles Know How für:
 - Schnittstellen-Implementierungen
(RS232, RS485, GPIB, Ethernet, ...)
mit dazugehörigen Protokollen
 - Feldbus-Implementierungen
(CAN, PROFIBUS, ...)
 - heterogene Rechner-Rechner-Kommunikation

Neu: Lieferung von Komplett-Systemen,
Hardware und Software aus einer Hand

A.M.S. Elmetec GmbH

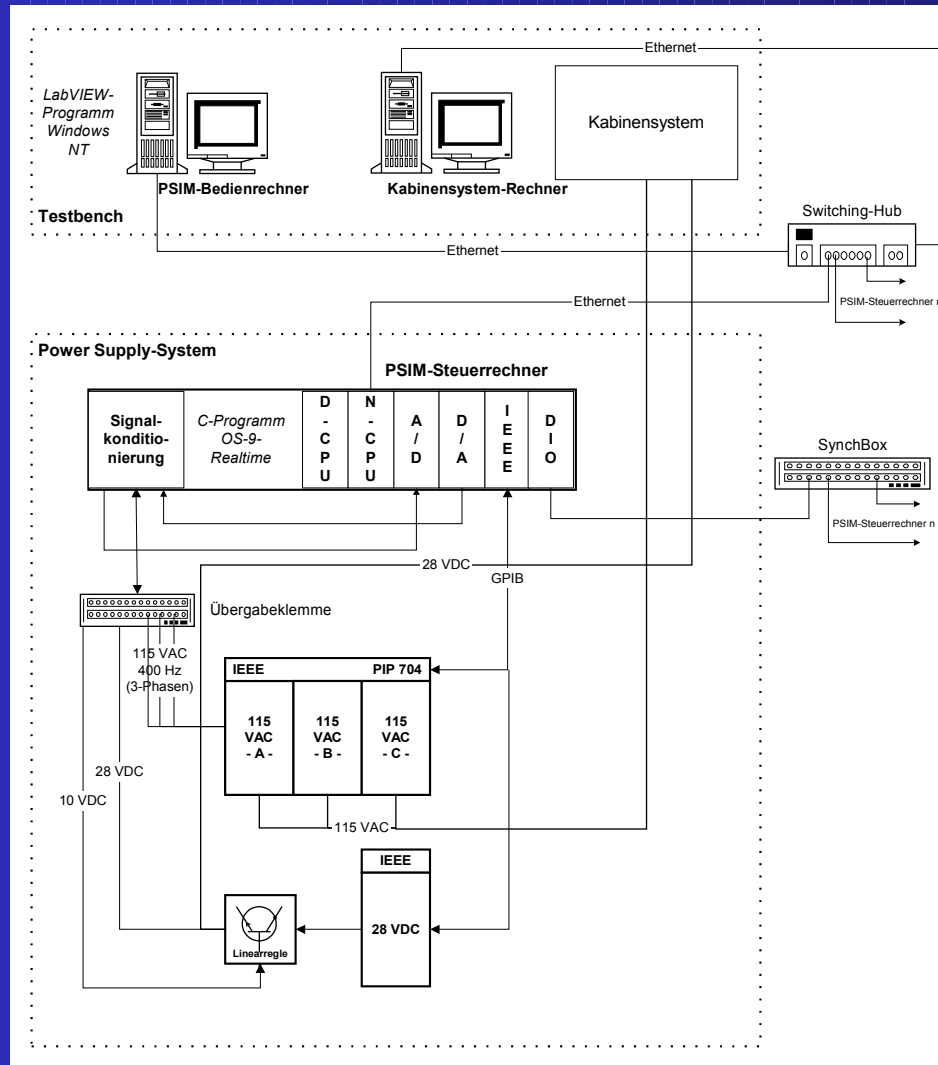
Elektronik • Mechanik • Technologie

- Prüfstände
- Spezialrechner mit Datenerfassung

Vorstellung von realisierten DASA-Projekten:

- PSIM
 - Power Simulation System für Kabinensysteme
- EMI
 - Software für Electromagnetic Impact Measurements von Kabinensystemen in Flugzeugen

PSIM - Power Simulation System



PSIM - Power Simulation System

The screenshot displays the PSIM software interface with the following components:

- Menu Bar:** File, User, System, Measurement ?
- Status Bar:** 115V, 28V, VME connection, continuous mode, measurement running, external trigger (all indicators are green).
- Function Keys:** Measurement - F1, Status - F2, Defaults - F3, Profile - F4
- PSIM 1 Panel:** A label for the simulation instance.
- 115V AC - A-:** Three vertical sliders for Amplitude [V] (115.00), Current Limit [A] (25.00), and Phase Angle [°] (120.00).
- 115V AC - B-:** Three vertical sliders for Amplitude [V] (115.00), Current Limit [A] (25.00), and Phase Angle [°] (120.00).
- 115V AC - C-:** Three vertical sliders for Amplitude [V] (115.00), Current Limit [A] (25.00), and Phase Angle [°] (0.00).
- 115V Frequency:** A vertical slider for Frequency [Hz] (400.00).
- 115V - F9 and 28V - F10:** Two toggle switches, currently in the 'OFF' position.
- 28V DC:** Three vertical sliders for Amplitude [V] (28.00), Current [A] (100.00), and Overvoltage [%] (100.00).
- Bottom Bar:** RUN - F5, STOP - F6, SEND PROFILE - F7, and a power button labeled OFF F12.

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File User System Measurement ?

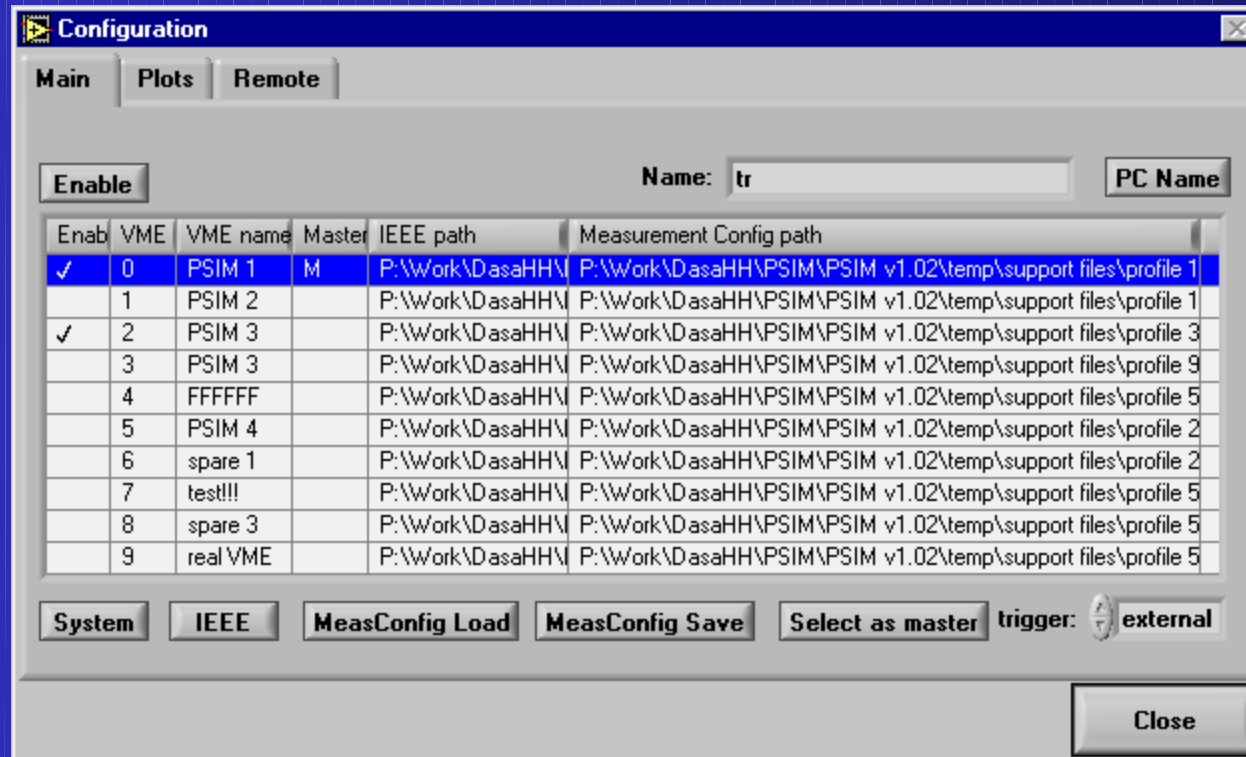
115V 28V VME connection continuous mode measurement running external trigger

Measurement - F1 Status - F2 Defaults - F3 Profile - F4

	PSIM 1	PSIM 2	PSIM 3	PSIM 3	FFFFF	PSIM 4	spare 1	test!!!	spare 3	real VME
VME connection	OK	FAIL	OK	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
last command accepted	OK	FAIL	OK	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
measurement running	RUN	STOP	RUN	STOP	STOP	STOP	STOP	STOP	STOP	STOP
ready to run	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
meas. config. loaded	OK	NO	OK	NO	NO	NO	NO	NO	NO	NO
IEEE config. loaded	OK	NO	OK	NO	NO	NO	NO	NO	NO	NO
VME reset	OK	RESET	OK	RESET	RESET	RESET	RESET	RESET	RESET	RESET
error code	0	0	0	0	0	0	0	0	0	0
Status 28V	shouldn't	shouldn't	in use	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't
Status 115V A	shouldn't	shouldn't	in use	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't
Status 115V B	shouldn't	shouldn't	in use	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't
Status 115V C	shouldn't	shouldn't	in use	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't
Shutdown	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't	shouldn't
115 on	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28 on	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RUN - F5 STOP - F6 SEND PROFILE - F7 OFF F12 

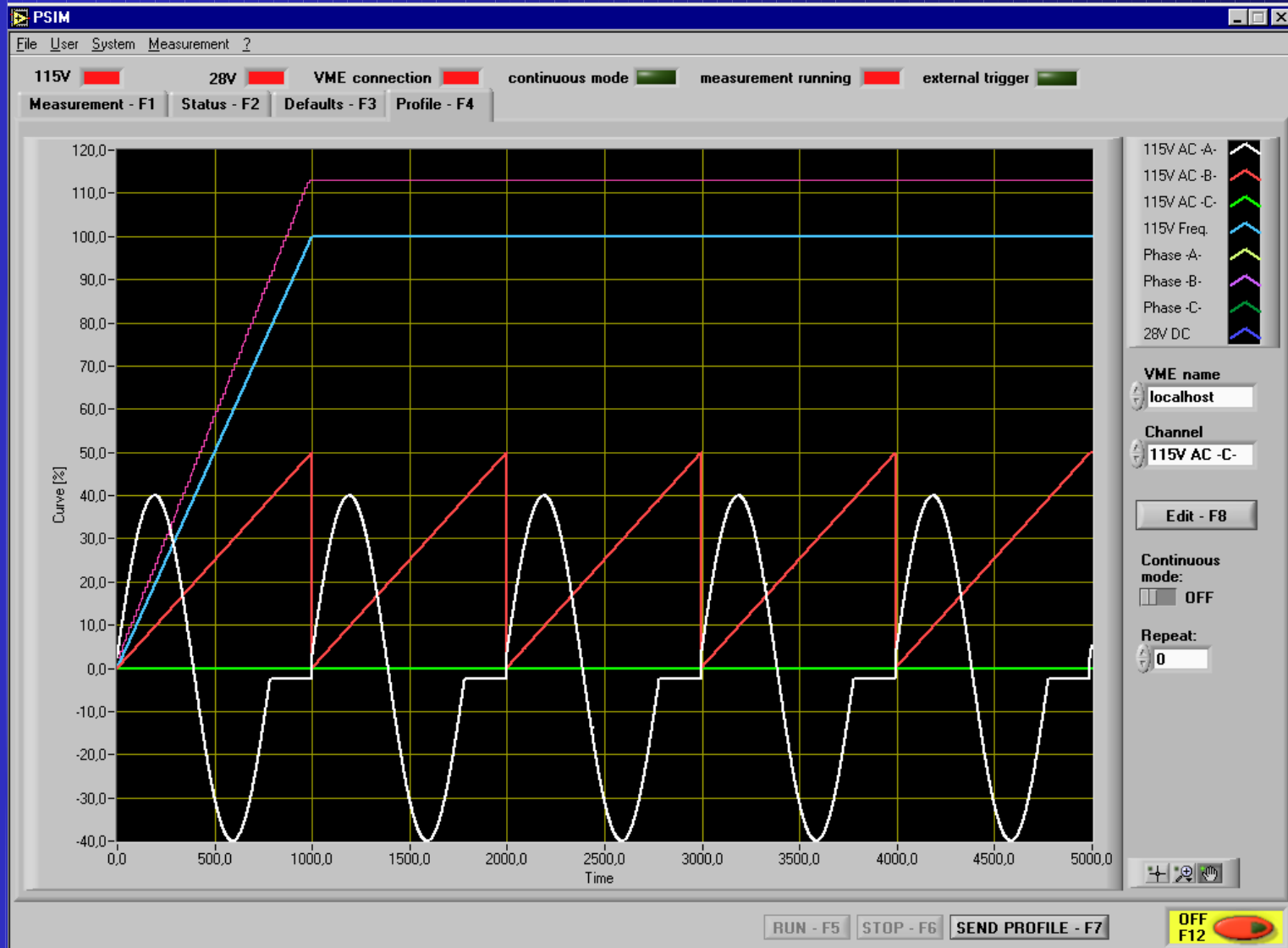
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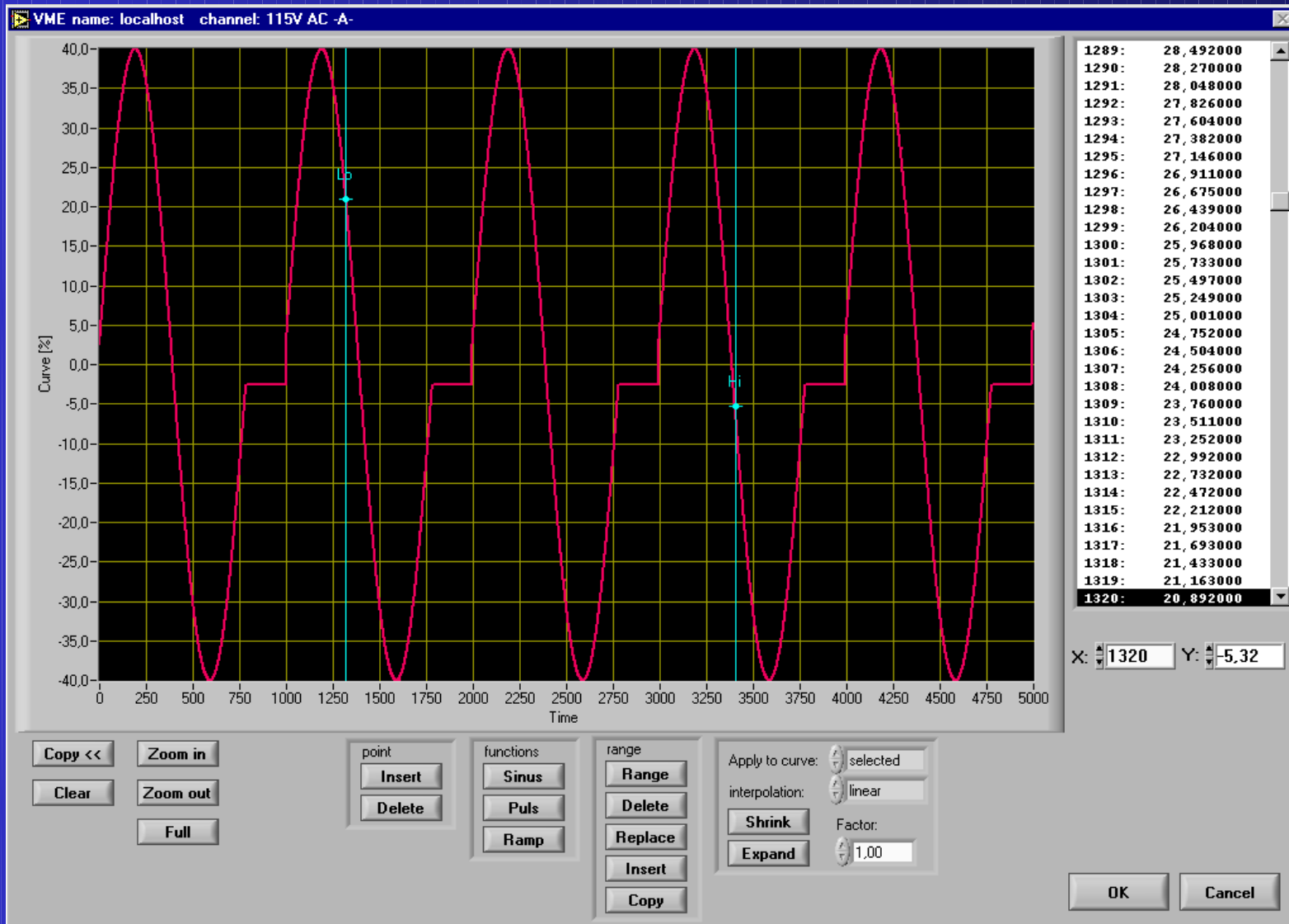
The Configuration dialog box features three tabs: Main, Plots, and Remote. The Main tab is active, showing an 'Enable' checkbox, a 'Name' field with the value 'tr', and a 'PC Name' field. Below these is a table with columns: Enab, VME, VME name, Master, IEEE path, and Measurement Config path. The table contains 10 rows of configuration data. At the bottom, there are buttons for 'System', 'IEEE', 'MeasConfig Load', 'MeasConfig Save', 'Select as master', a trigger dropdown menu set to 'external', and a 'Close' button.

Enab	VME	VME name	Master	IEEE path	Measurement Config path
✓	0	PSIM 1	M	P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 1
	1	PSIM 2		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 1
✓	2	PSIM 3		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 3
	3	PSIM 3		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 9
	4	FFFFFF		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 5
	5	PSIM 4		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 2
	6	spare 1		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 2
	7	test!!!		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 5
	8	spare 3		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 5
	9	real VME		P:\Work\DasaHH\	P:\Work\DasaHH\PSIM\PSIM v1.02\temp\support files\profile 5

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