

- 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

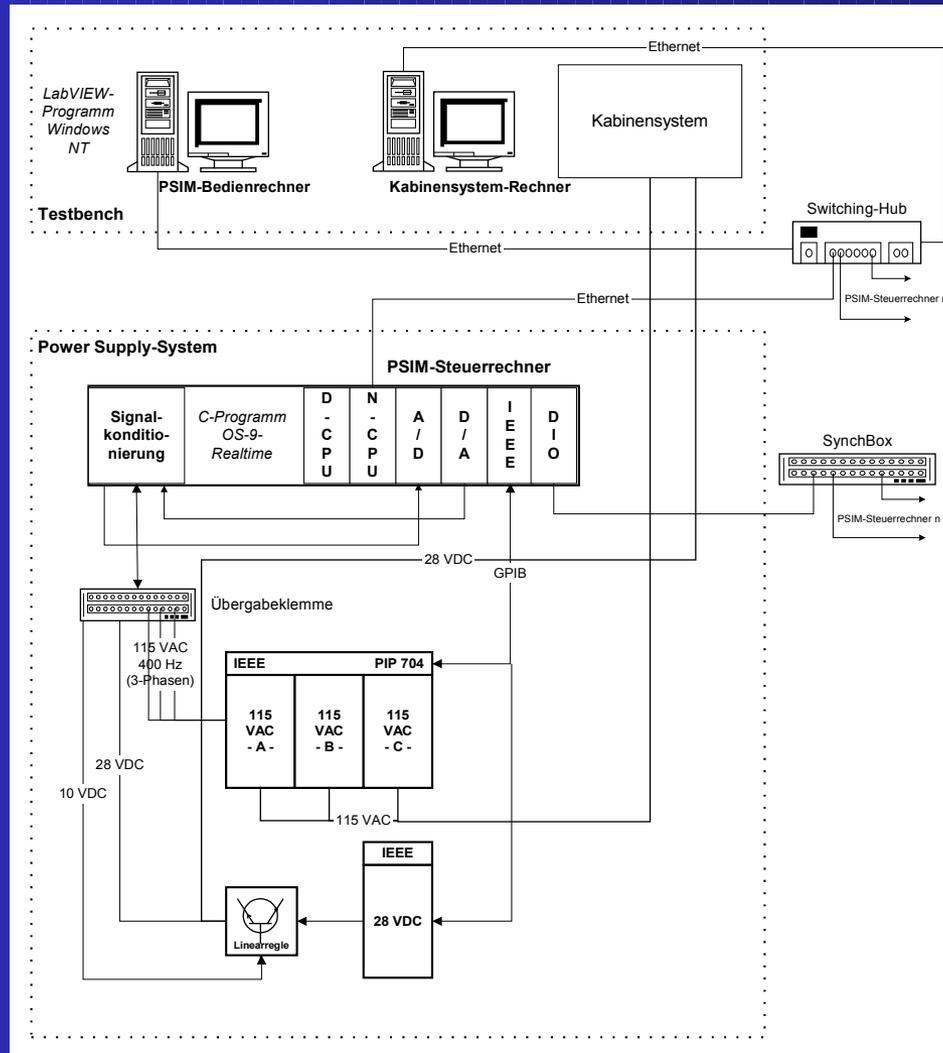
Elektronik • Mechanik • Technologie

- 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 green).
- Function Keys:** Measurement - F1, Status - F2, Defaults - F3, Profile - F4.
- PSIM 1 Panel:** A label for the simulation instance.
- 115V AC - A-:** Three sliders for Amplitude [V] (115.00), Current Limit [A] (25.00), and Phase Angle [°] (120.00).
- 115V AC - B-:** Three sliders for Amplitude [V] (115.00), Current Limit [A] (25.00), and Phase Angle [°] (120.00).
- 115V AC - C-:** Three sliders for Amplitude [V] (115.00), Current Limit [A] (25.00), and Phase Angle [°] (0.00).
- 115V Frequency:** A slider for Frequency [Hz] (400.00).
- 28V DC:** Two toggle switches for 115V - F9 and 28V - F10, and three 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 ?

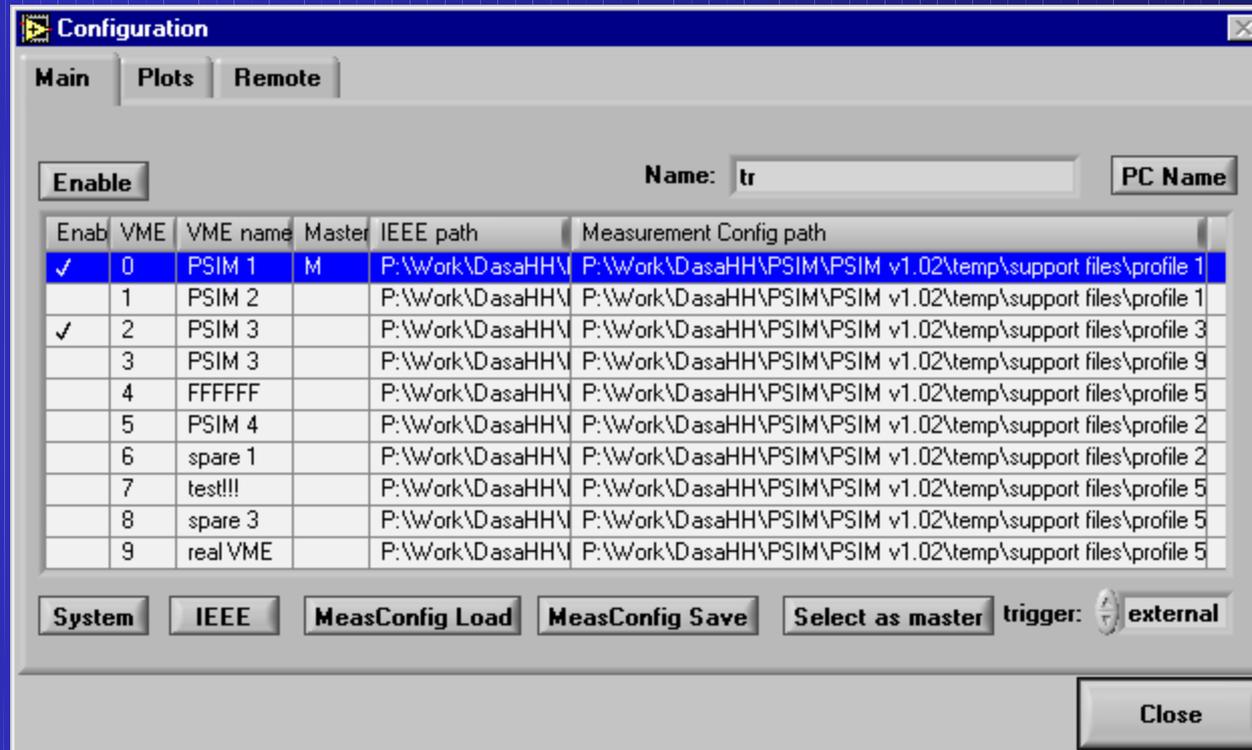
115V 28V VME connection continuous mode measurement running external trigger

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	<input type="button" value="OK"/>	<input type="button" value="FAIL"/>	<input type="button" value="OK"/>	<input type="button" value="FAIL"/>						
last command accepted	<input type="button" value="OK"/>	<input type="button" value="FAIL"/>	<input type="button" value="OK"/>	<input type="button" value="FAIL"/>						
measurement running	<input type="button" value="RUN"/>	<input type="button" value="STOP"/>	<input type="button" value="RUN"/>	<input type="button" value="STOP"/>						
ready to run	<input type="button" value=""/>									
meas. config. loaded	<input type="button" value="OK"/>	<input type="button" value="NO"/>	<input type="button" value="OK"/>	<input type="button" value="NO"/>						
IEEE config. loaded	<input type="button" value="OK"/>	<input type="button" value="NO"/>	<input type="button" value="OK"/>	<input type="button" value="NO"/>						
VME reset	<input type="button" value="OK"/>	<input type="button" value="RESET"/>	<input type="button" value="OK"/>	<input type="button" value="RESET"/>						
error code	<input type="text" value="0"/>									
Status 28V	<input type="button" value="shouldn't"/>	<input type="button" value="shouldn't"/>	<input type="button" value="in use"/>	<input type="button" value="shouldn't"/>						
Status 115V A	<input type="button" value="shouldn't"/>	<input type="button" value="shouldn't"/>	<input type="button" value="in use"/>	<input type="button" value="shouldn't"/>						
Status 115V B	<input type="button" value="shouldn't"/>	<input type="button" value="shouldn't"/>	<input type="button" value="in use"/>	<input type="button" value="shouldn't"/>						
Status 115V C	<input type="button" value="shouldn't"/>	<input type="button" value="shouldn't"/>	<input type="button" value="in use"/>	<input type="button" value="shouldn't"/>						
Shutdown	<input type="button" value="shouldn't"/>									
115 on	<input type="checkbox"/>									
28 on	<input type="checkbox"/>									

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

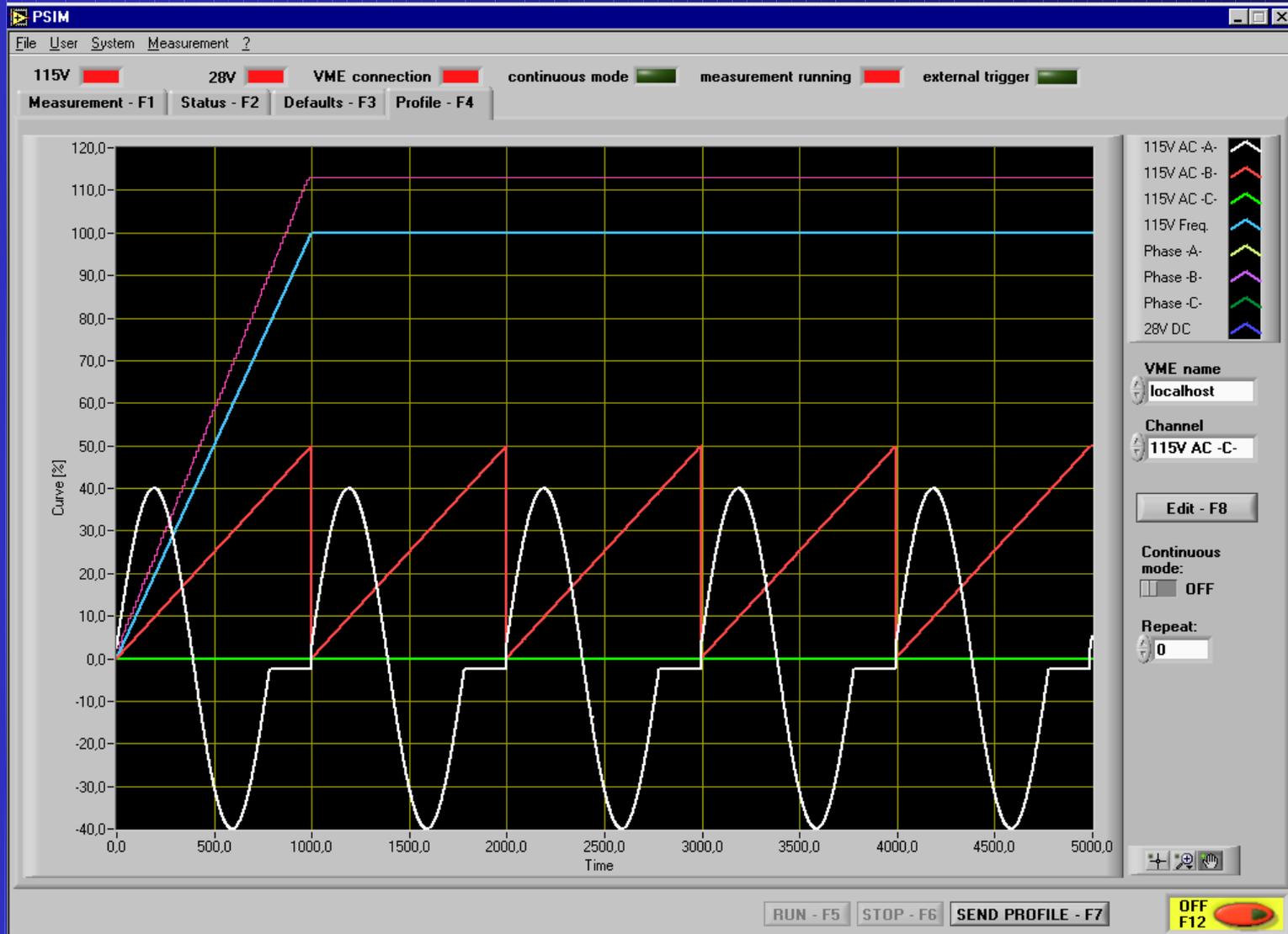
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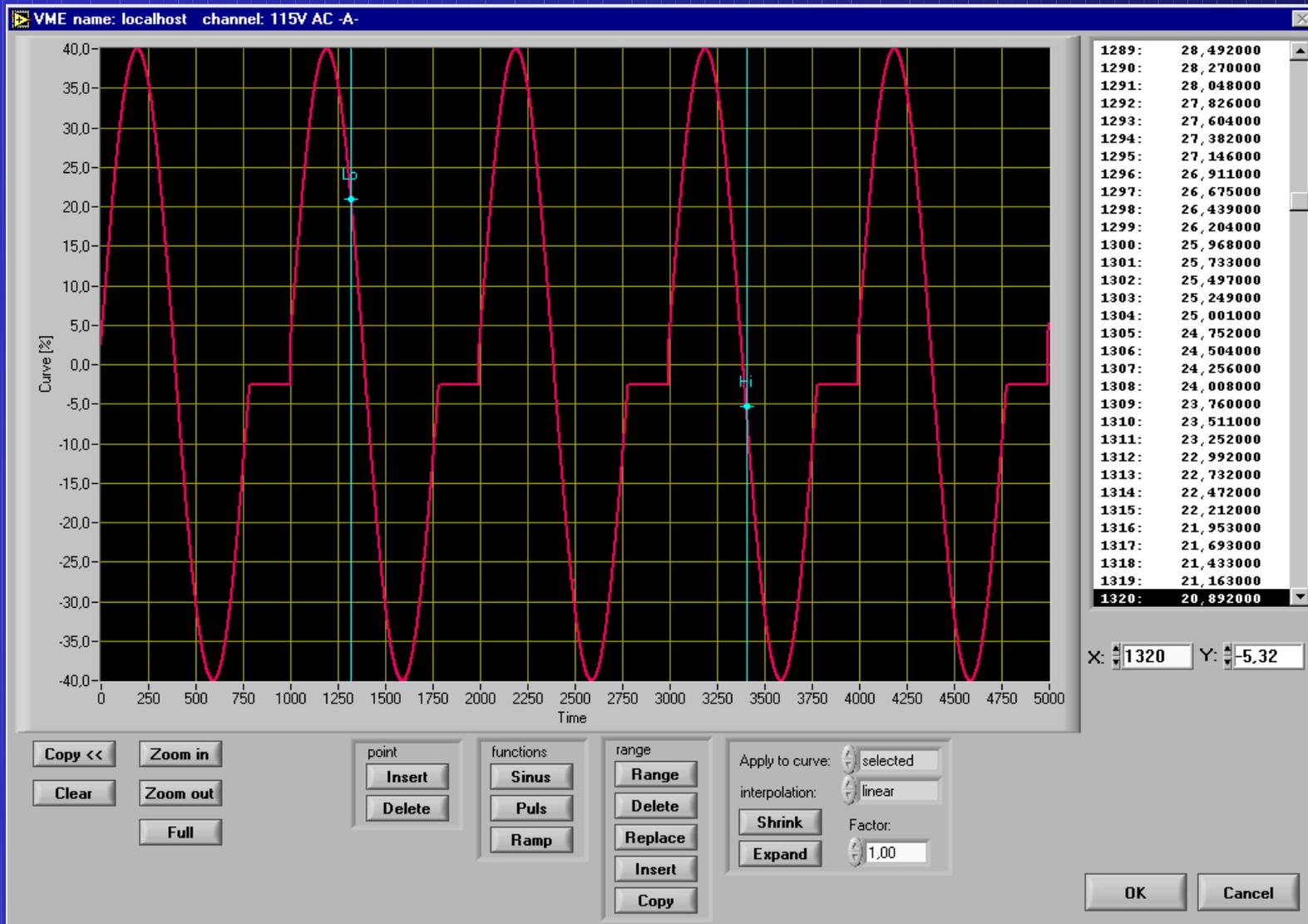
The Configuration dialog box features three tabs: Main, Plots, and Remote. The Main tab is active, showing an 'Enable' button, a 'Name' field with the value 'tr', and a 'PC Name' field. Below these is a table with columns: Enab, VME, VME name, Master, IEEE path, and Measurement Config path. The table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

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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