



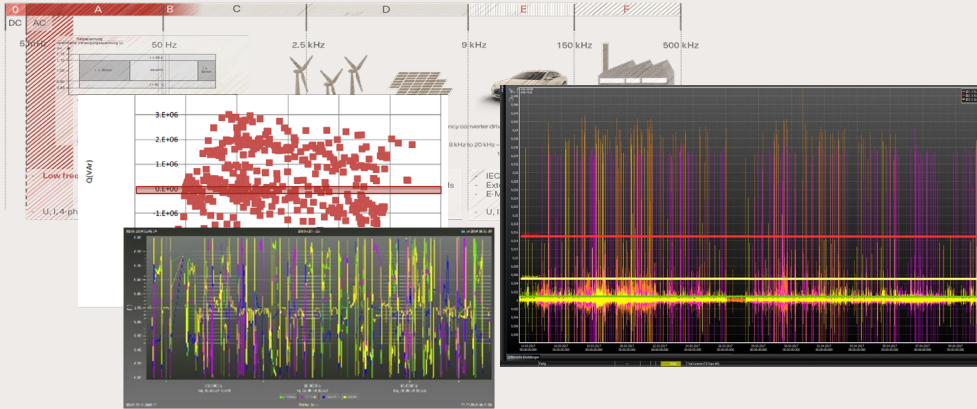
#016189524 **ORCA**<sup>®</sup>  
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# Intelligent Nonlinear Systems are our Profession



#thinknonlinear!  
#DNPS<sup>®</sup>  
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## „Nonlinear Dynamics versus Power Quality“

*We discuss the difference between the measurement of nonlinear dynamics (0 ... kHz range) compared to Power Quality measures.*

*“Total Power” by Power Quality meters is not “Total Power”  
The actual load on the power grid and the devices is misjudged!*

*January 15<sup>th</sup>, 2025 2:00 – 3:00 pm*

**Q 7**

**Registration with this link!**

*Please request the **KRI**<sup>®</sup>-Catalogue or **ORCA**<sup>®</sup>-Modules – Intelligent Solutions for Digital Nonlinear Power Systems*

**From our history!**

**Fette**  
Competence in Energy

# Intelligent Nonlinear Systems are our Profession

**Preserving the tried and tested – shaping the new!**

#thinknonlinear!

Our product development with A.Eberle GmbH & Co. KG, Nuremberg

**The next generation of measurement devices is based on the experience of more than 350 projects and research!**  
But this was the beginning - with numerous awards!



„Overall-Best-Product“  
2006 - Mumbai (Bombay), India  
ELECARAMA Exhibitions are the largest exhibition of power, electrical, industrial electronics and allied products in the eastern part of the world.



CPR-D Collapse Prediction Relay  
Patent WO 2005/088802 A1



GDA-Sys Grid Dynamic Analyzer  
(mobile version) – DA-Box 2000

# ***Intelligent Nonlinear Systems are our Profession***

***Preserving the tried and tested – shaping the new!***

*#thinknonlinear!*

**Fette - Competence in Energy GmbH** develops solutions for system management and system operation of energy systems that meet future requirements with predominantly decentralized and converter-based plants.

- 35 years of experience in research and development of nonlinear systems
- Over 800 man-years of development power in IT systems, hardware and software solutions, algorithms, and analysis and evaluation methods - self-funded without third party rights or dependencies
- Over 350 projects in more than 30 countries in industrial, distribution and transmission networks (AC and DC), to determine and assess system dynamics and resonances - usually when there have been disturbances or destruction of equipment and networks, identifying causes and proposing solutions – evaluating theory and practice
- For more than 15 years permanent observation of dynamics, resonances and change processes in power systems
- Over 100 projects for the development of customer-specific solutions
- Over 500 consulting projects

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Fette – Competence in Energy GmbH  
Hohenzollernring 30  
22763 Hamburg  
Germany  
+49 152 531 69 607

***If you are looking for solutions,  
you need to know the causes!***