



YOUR MARKET LEADER IN THE BATTERY RACK SECTOR.



Welcome to passoni alpha company presentation

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History

We are an internationally-oriented family company with long-term experience in the global market of plastic-coated steel products.

Timeline

1909	1946	1950/60s	1981	1994	1995	2018
The beginning Paolo Passoni started to produce steel manufactured products	Passoni paolo e figli The present name	First producer Of plastic coated steel trays and racks	The Expansion In November alpha-industrie-bedarfs gmbh was founded	Quality system certification	American Market	Service App



About us

Passoni Paolo e figli S.r.l.

- production of high-quality battery racks
- production of high-quality customized racks
- production of high-quality steel-trays
- plastic-coating by polyethylene or epoxy powder



About us

Copai S.r.l.

- production of high-quality steel-trays
- plastic-coating by polyethylene



About us

alpha industrie-bedarfs gmbh

- sales & consulting
- engineering
- Calculations static / dynamic
- CAD construction
- individual customer service
- Worldwide logistics
- Research & development



About us

High quality products, engineering expertise and sector expertise.

Our position and success as market leader in the modular battery rack sector is based on:

- continuous improvement processes
- close cooperation with our business partners
- global presence
- strong commitment to quality, service and reliability

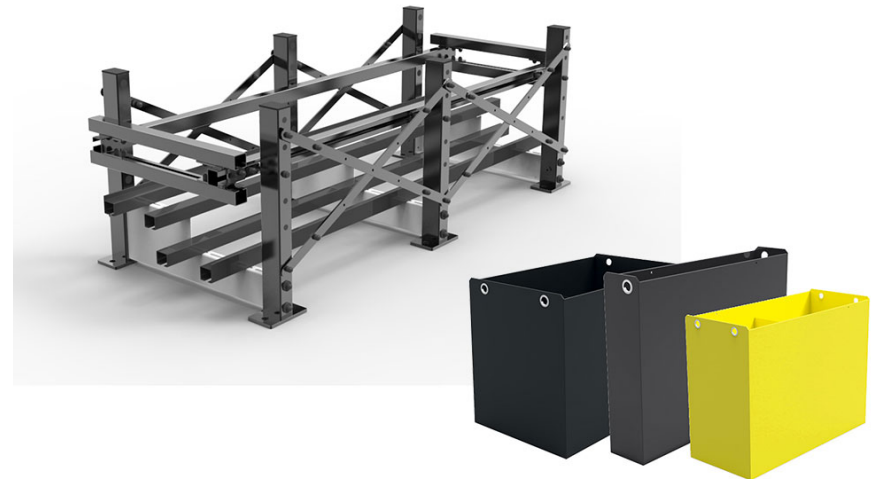


Products

Our primary business is the marketing of modular battery rack systems for use in standard and earthquake applications as well as battery trays for electric vehicles.

We provide:

- technically proven solutions for
 - standard and special applications
 - earthquake and shock sector
- high-quality products
- comprehensive technical advice
- project engineering in the nuclear power station and offshore plant sector
- long-term experience in the field of coating methods



Find all products online in our PDF-catalogue: alpha-passoni.de/products-en

Trays

A selection of our trays for traction batteries for use in:

- transport vehicles
- cleaning machines
- elevating work platforms etc.

We offer plastic-coated steel trays as well as plastic trays in several variations:

- DIN Standard version
- custom trays



Standard Racks

For global use in

- data centres
- public buildings
- hospitals etc.
- power plants
- telecoms
- railways
- UPS
- solar
- substations
- power supplies
- engine start



Standard: 1-tier



Standard: 2-tier rack



Standard: VRLA rack



Standard: Horizontal rack

Standard Racks



EQ: 1-tier



EQ: 2-tiers



GC 300



Standard:
Cladded rack

Custom Racks

Racks for marine vessels



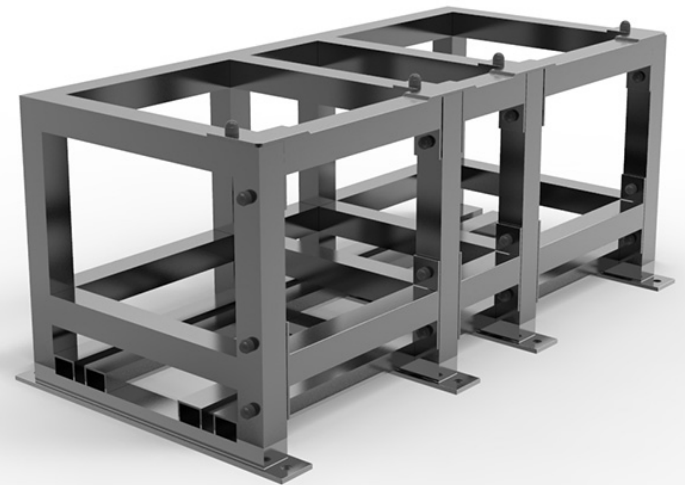
Custom Racks

Racks for offshore installations



Custom Racks

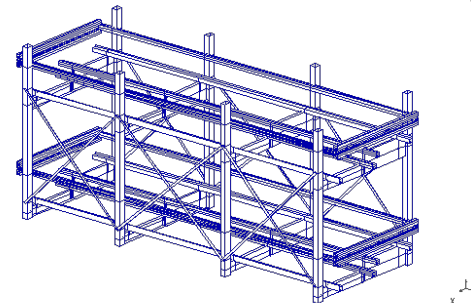
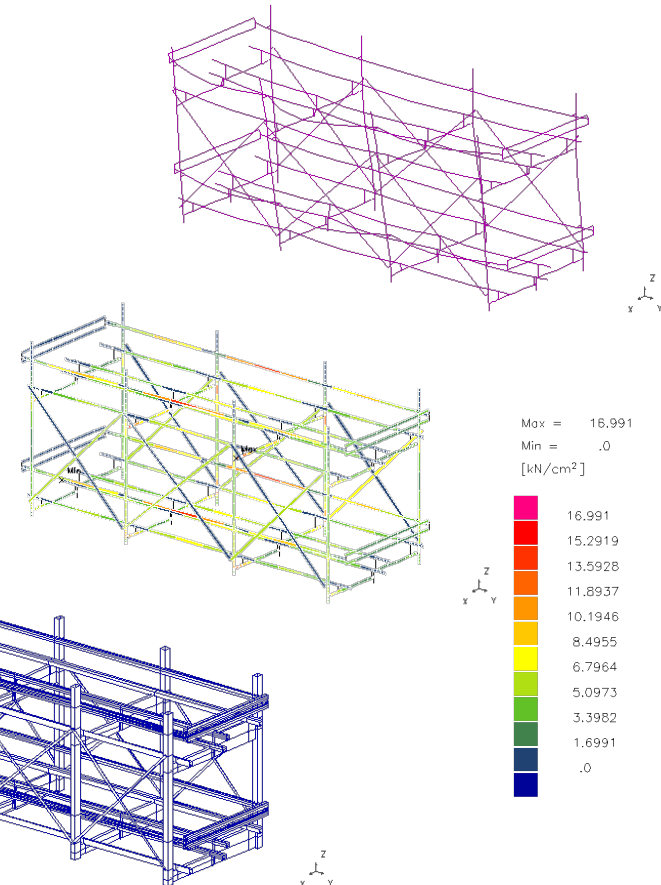
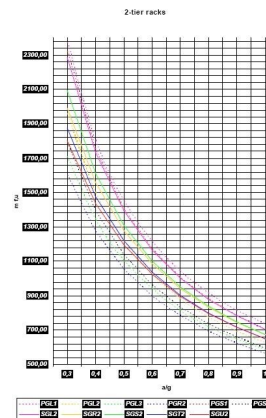
Vibration tested and calculated assessed racks for nuclear power stations



Research & development

alpha racks approved static by:

- Kühne BSB, Germany
- TÜV Nord (former RWTÜV) Germany
- EEI, USA
- MRH, USA
- Areva NP, Germany
- Westinghouse Atom Sweden
- Power Plant Users
(e.g. Cadaraches, Melox, TVO, etc).
- ABB
- Siemens KWU
- FGUP "VNIIAM" (for Nuclear Power) Russia



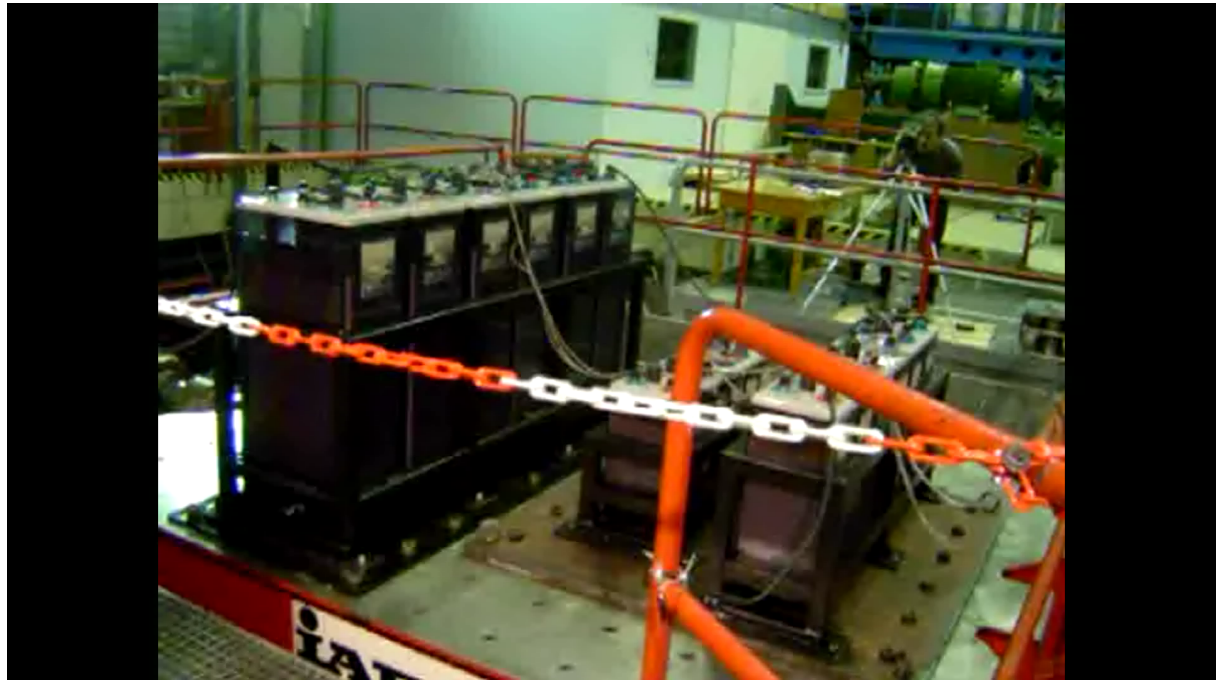
Research & development

Vibration test video

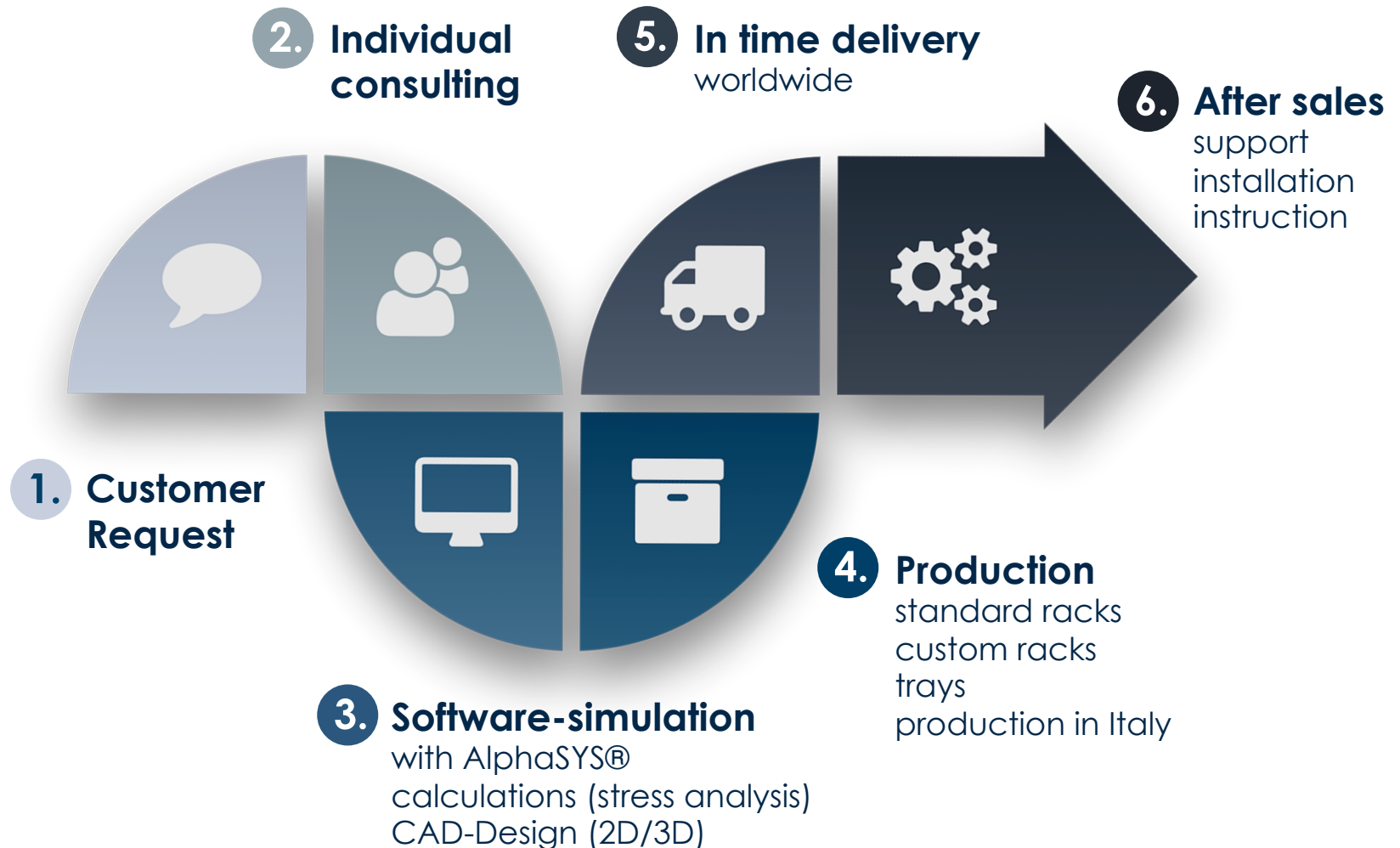
Shaking table tests:

- IABG, Ottobrunn
Germany
- VOP, Czech Republic
- Sopemea, France
- Forell / Elsesser
San Francisco, CA USA
- Virlab, Spain

With an experience of more than 40 tests in the last 20 years.

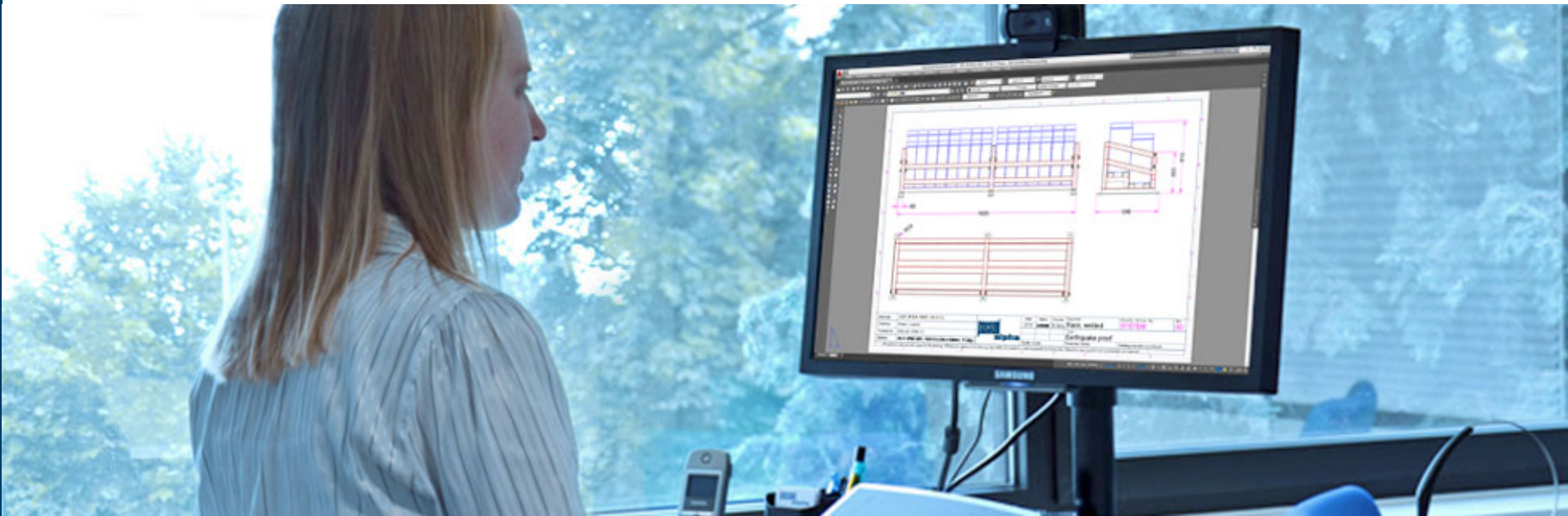


Turn-key solutions – in time



Service

- software based simulation of your rack system with AlphaSYS®
- consulting (service hotline: ☎ + 49 6241 50048-0)
- construction and support
- worldwide logistics



AlphaSYS®

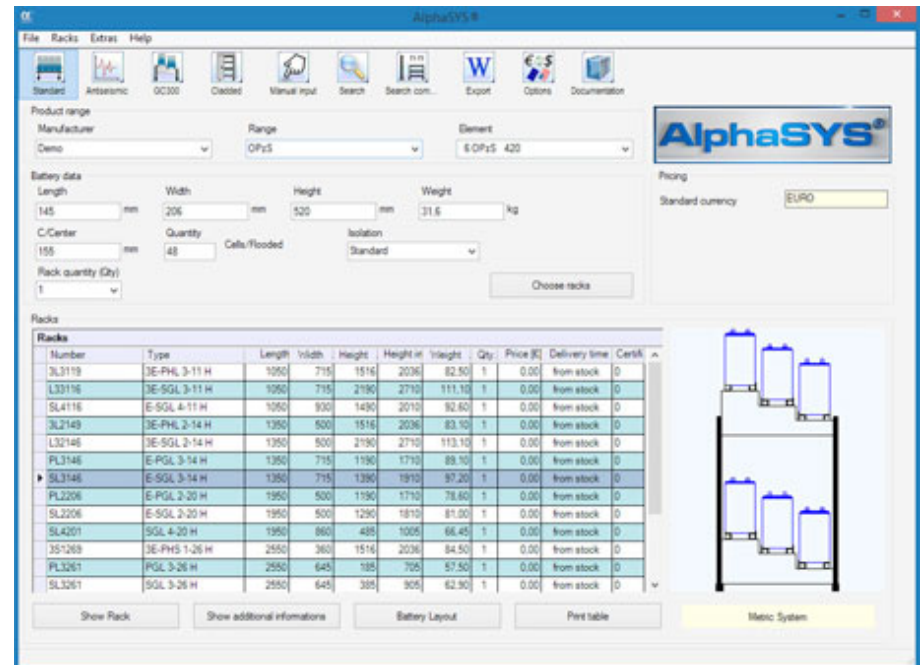
Our calculation software AlphaSYS® or the AlphaSYS® online version.

Developed especially for our customers:

- configure battery racks according to your requirements
- independently and easy use

How it works:

- select a battery manufacturer and the required battery type
- choose your rack options from our product range
- each rack is calculated using the battery data
- manual input function as option

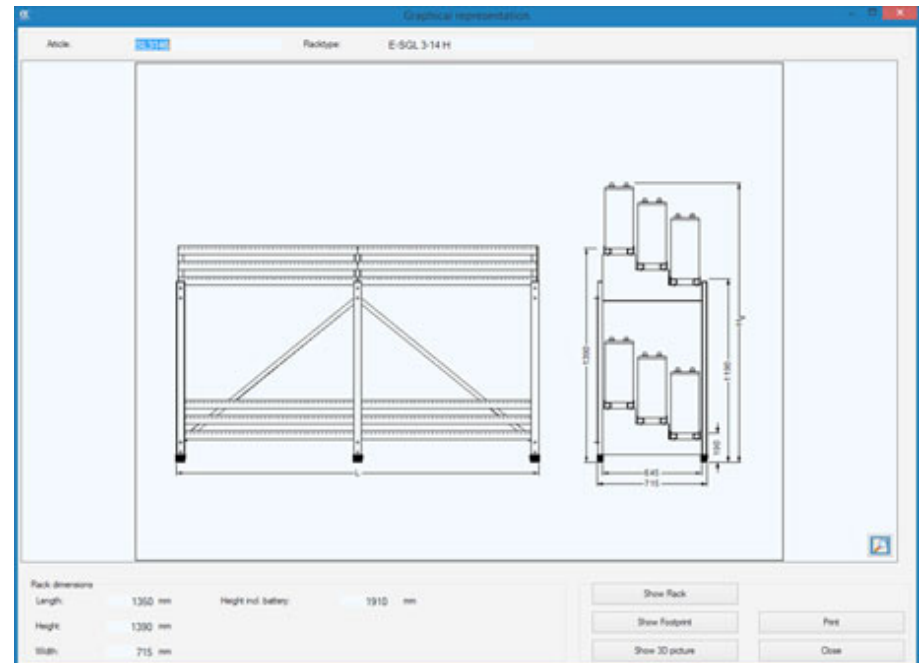


AlphaSYS®

Additionally, the program offers:

- various diagrams & drawings
- an accessories list and extensive technical data on the selected rack

Check it out by yourself with our [AlphaSYS®Web version](#).



Projects worldwide - map

A map with some of our customers by business.



Certifications

- ISO 9001: 2015 (Quality Management System)
- UNI EN 1090 (Factory Production Control • Welding • Company)
- UNI EN ISO 3834 Part 2 (Welding Quality Management Scheme • Company)
- EN ISO 9606-1 (Welder Approval Test Certificate)
- Kühne BSB, Germany (Stress Analysis)
- TÜV Nord Germany (Seismic)
- EEI, USA (Seismic)
- MRH, USA (Seismic)
- FGUP “VNIIAM” (for Nuclear Power) Russia (Seismic)



MRH

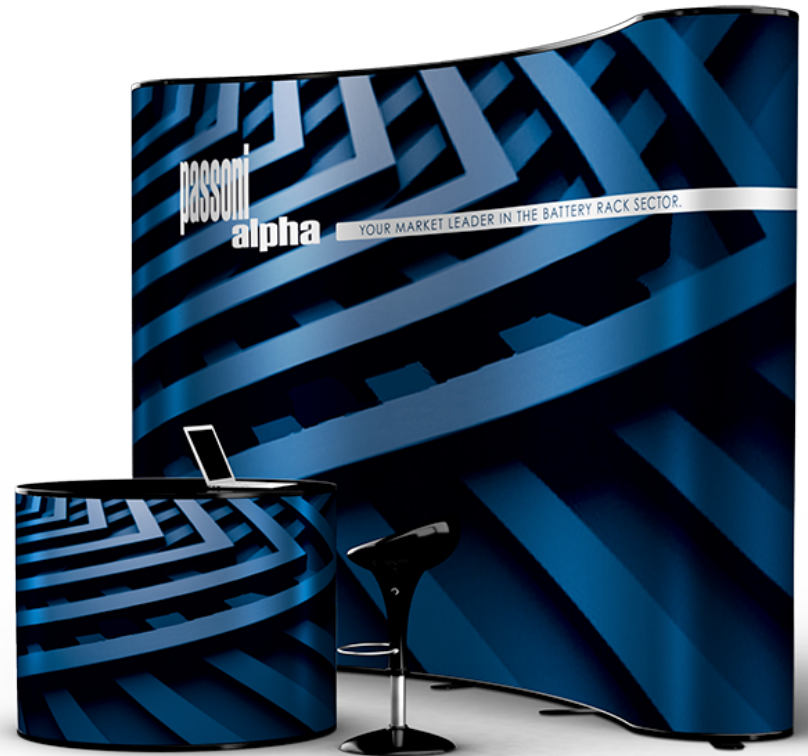


EEI



Contact - fairs

Meet us on fairs and exhibitions all over the world.



Contact

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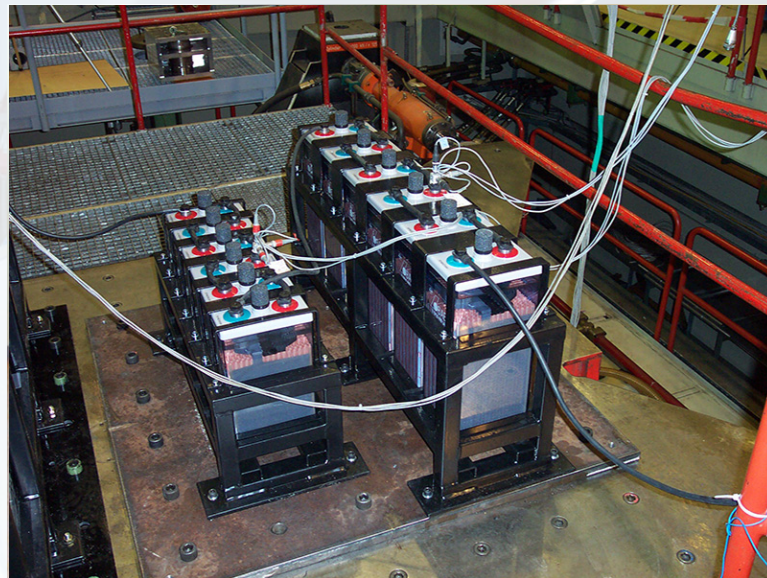
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