

**THANK YOU
TO**

**UNIVERSIDAD AUTÓNOMA DEL
ESTADO DE HIDALGO**

THE CHOICE
OF ENGINEERS



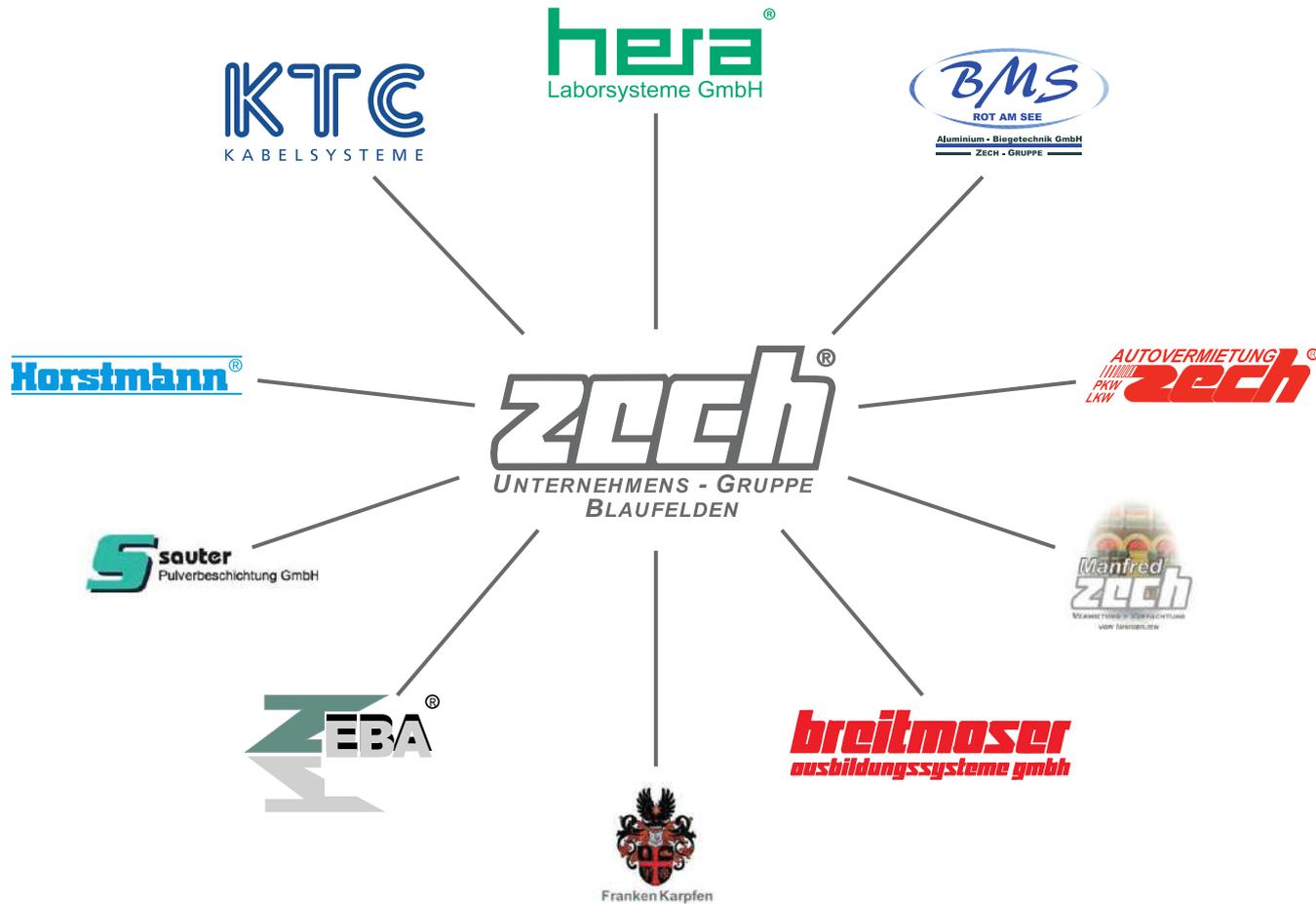
hera[®]
Laborsysteme GmbH

 Made in Germany



Systems for **ElectricLAB** **ElectricEDUCATION** **ElectricWORKSHOP**

Owner:	Mr. Manfred Zech
Location:	South Germany
Foundation:	1957
Employees:	80 - 90
Markets:	60% Germany 40% International
Customers:	50% Industry 50% Education



About Us.



Head Quarter in Blaufelden
with administration, R&D and
manufacturing area



Sauter Powder Coating (key
supplier and a company of
the ZECH-Group)

About Us.



2017: expansion of our shipping department



2018: expansion of our mechanical plant

About Us.



fully automated mechanical production



wire harness /circuit board manufacturing



electrical device manufacturing



electrical bench rack installation



Certificate

GTÜ Zertifizierungsstelle GmbH
herewith certifies that

hera-Laborsysteme GmbH
Hermann-Rapp-Str. 40
D - 74572 Blaufelden

Areas of activity: Sales, Development, Planning, Manufacturing, Service,
Repair and Installation of Laboratory – and Calibration Systems.

has established and employs
a quality management system according to
DIN EN ISO 9001

Edition: December 2008

A quality certification audit performed by GTÜ-Zertifizierungsstelle has shown that
the QM system complies with the requirements of the above standard.



Educational Labs for:

- Universities
- Colleges
- Technical Training Centers
- Vocational Schools
- Training Workshops in Companies

Our core competences are:

- Planning
- Development
- Manufacturing
- Installation
- Calibration
- Service/ Repair

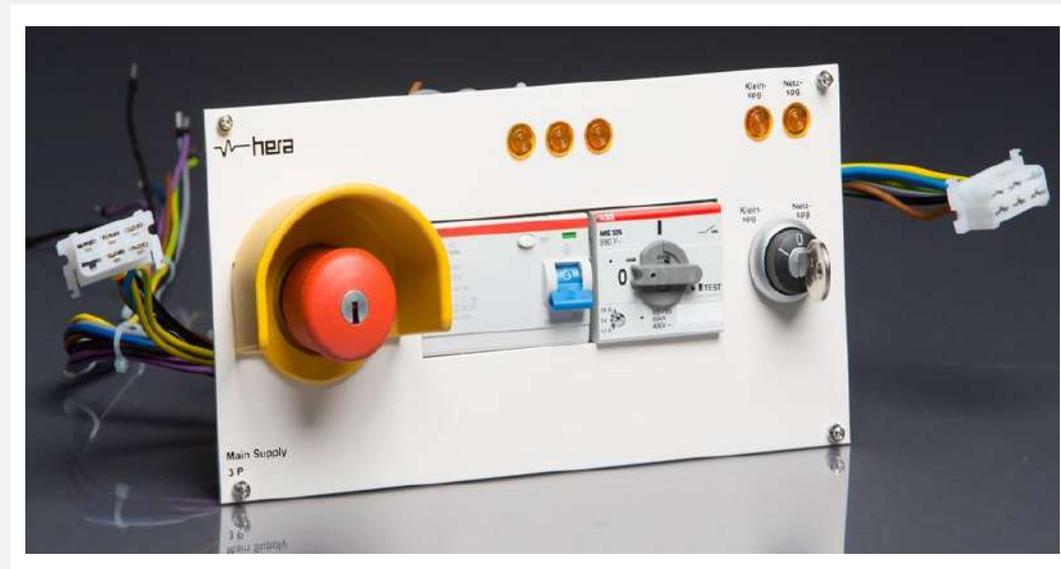
What's important when deciding on a new lab?

1. Students Safety (top priority)
2. Functionality
3. Modularity, that meets your requirements!
4. Durability and Product Life Cycle

1. Students Safety

Electrical Safety

- suitable for the national electricity grid
- RCD Type A / Type B
(application or national standard)
- function
(1-/ 3-phase, 2-wire,
2-level enabling,
central enabling, ...)



1. Students **Safety**

Mechanical Safety

- hidden cables for accident prevention
- sufficient space for students
- considering escape pathes



2. Functionality

YOUR CLASSROOM SET-UP SHOULD BE IN ACCORDANCE WITH YOUR FORM OF TEACHING!

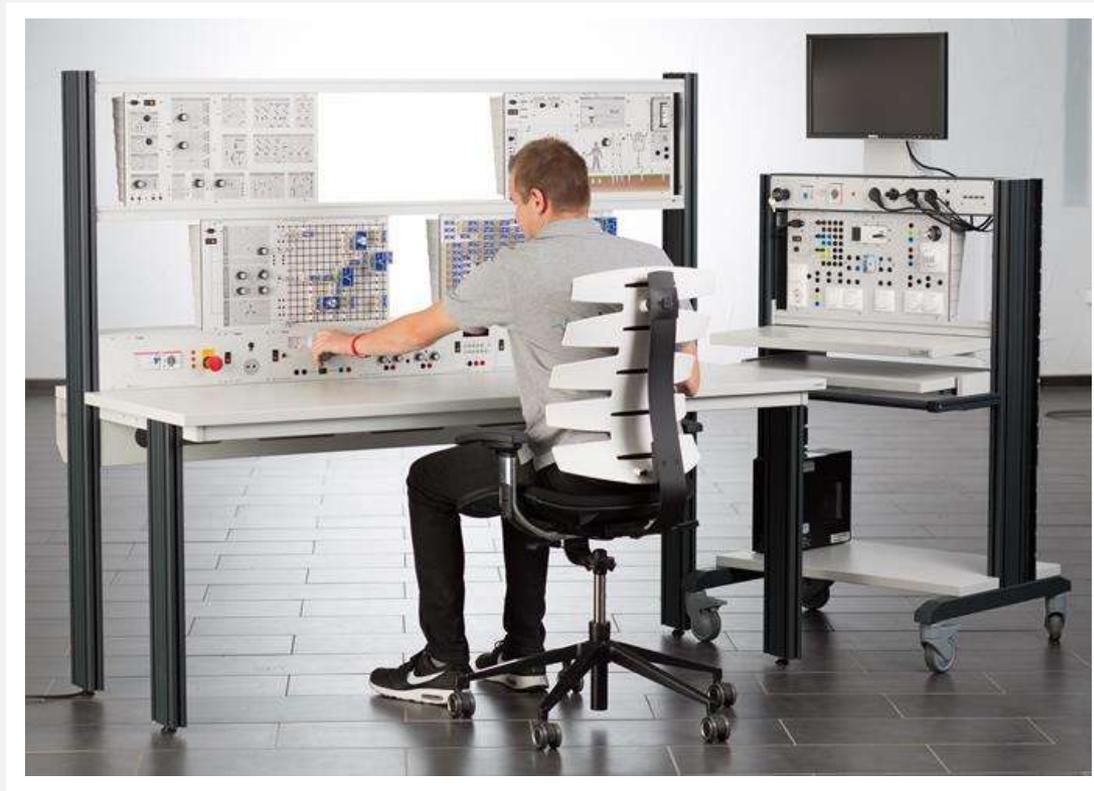
- Individual Workstations
- Double Workstations
- Team Workstations
- Convertible Workstations
- Mobile Workstations

2. Functionality

Individual Workstation

- classic teacher-up-front style and individual experimental tasks

(developing autonom working skills)



2. Functionality

Double Workstation

- classic teacher-up-front-style and partner tasks

(developing skills in working with a partner)



2. Functionality

Team Workstation

- explorative developing methode

(forming small teams, encouraging communication and team creativity)



2. Functionality

Convertible Workstation

- maximum space for theoretical and practical lessons
- maximum of students attention
- mechanical safety for electrical devices



2. Functionality

Mobile Solutions

- each laboratory or classroom can be enhanced or supported by a suitable mobile solution



4. **Modularity**, that meets your requirements!

YOUR CLASSROOM SET-UP SHOULD BE IN ACCORDANCE WITH WITH YOUR CURRICULUM!

- What topics should be taught?
- What type of training systems and accessories are needed?
- Where should these be placed or stored?
- What kind of electrical connections are needed?
- What is the most practical configuration to meet all these requirements?

4. **Modularity**, that meets your requirements!

MODULAR PROGRAMM FOR COUNTLESS CONFIGURATIONS:

- different bench types in various depth and width
- media channels in different sizes and forms
- a great variety of electrical devices for various applications
- all practical accessories and bench attachments
- laboratory enhancements are always possible!

4. Modularity, that meets your ideas!

Electrical Lab



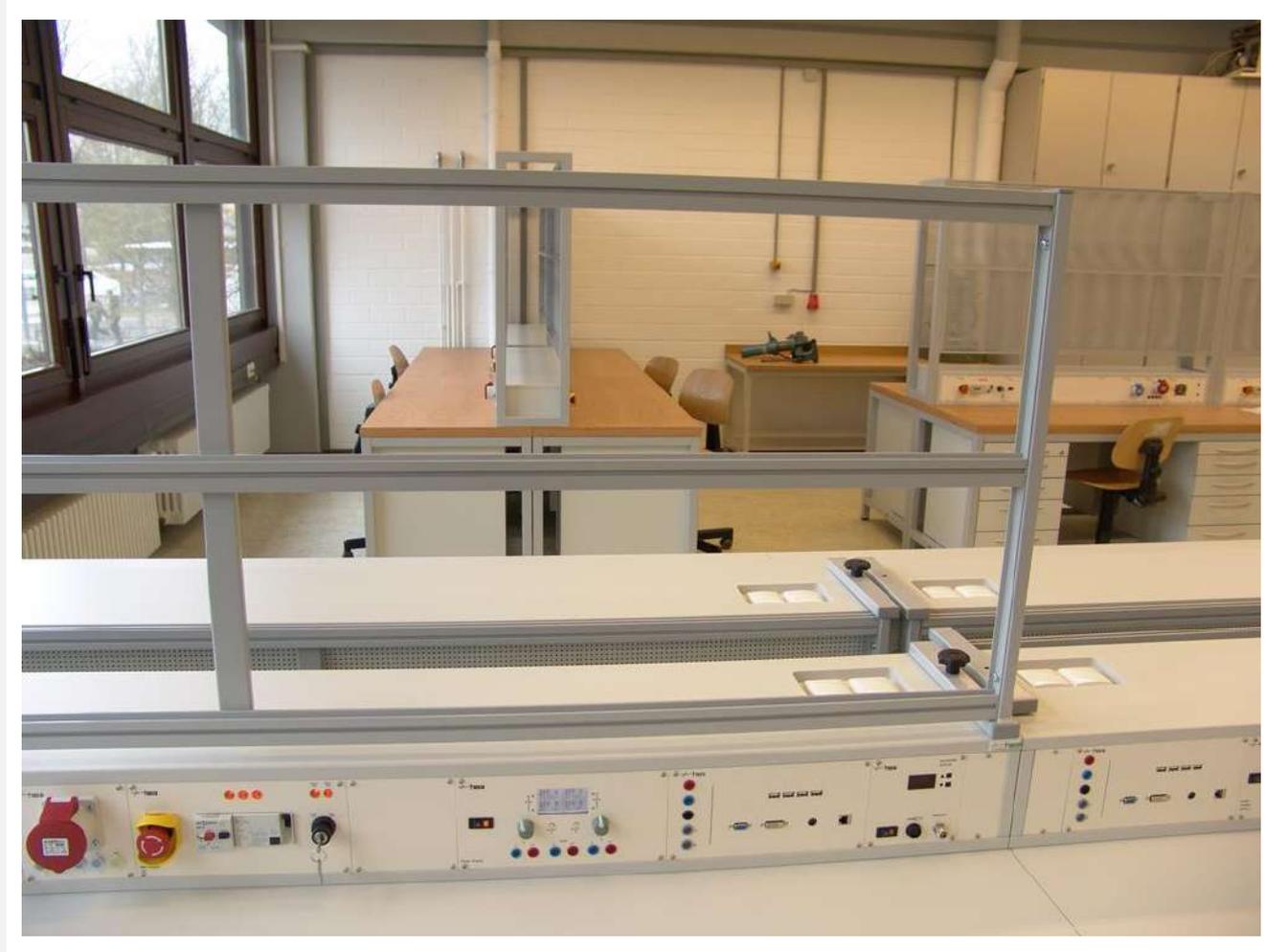
4. Modularity, that meets your ideas!

Mechatronical Lab



4. Modularity, that meets your ideas!

Installation Lab



4. Modularity, that meets your ideas!

Installation Cabins



4. Modularity, that meets your ideas!

Electrical Machine Lab



4. Modularity, that meets your ideas!

Mechanical Lab



3. Durability and Product Life Cycle

„Our laboratories are made to last a lifetime“

- full manufacturing depth
- high quality prematerials
- expansions, replacements and service/ repairs even after decades



See more **Details:**

www.hera.de

- product information
- videos
- applications
- download catalogues

Thanks for your attention!



Thanks for your attention!