

<http://www.eckert-schulen.de/>

Eckert Shulen, Germany



# History of organization Schools

## 70 years of vocational education

- education
- accommodation
- catering
- additional services

## 50 years of vocational rehabilitation

- counselling services (vocational / psychological)
- health service



## Facts and figures

- **Students at the Campus:** **approx. 8,500**
- **Employees (in total):** **1,800**
  - teaching staff (total): approx. 900
    - full-time 350
    - part-time/sideliners 550
  - administration staff (total): 900
- **Additional services:** **70**
  - physicians, psychologists etc.
- **Apartments:** **approx. 1,400**

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## A campus that makes learning easy

Our campus is almost like a quarter in a city - you don't just live on campus, but you can also enjoy its recreational facilities.

Live comfortably, study, meet friends and have fun in a relaxing atmosphere:

Our campus offers:

- 1,400 single-room apartments
- accessible design
- single-parent apartments
- kindergarden
- health center with a pharmacy and many medical specialties
- mensas + cafeterias
- recreation center with both, an indoor and outdoor swimming pool and a fitness studio
- and much more





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## Spare time activities

**FIT UND ENTSPANNT**  
IM ECKERT GESUNDHEITZENTRUM.

**FITNESSSTUDIO**  
**SALZGROTTE**  
**SAUNA**  
**DAMPFBAD**  
**SCHWIMMBAD**  
**PHYSIOTHERAPIE**

**Eckert ★ Beach**  
pool.club.music

OPEN  
10 – 20 H  
BEI SCHÖNEM  
WETTER

**PHYSIOFIT**

## Qualifications offered

### Fields of study

- technical engineering
- Business Economics / IT
- health & medical education
- hotel & catering management

### Teaching methods

- full-time
- part-time
- seminars
- combined methods
- tailor-made courses

### Training programs

100 different courses



permanently updated according  
to the job market



## **Main areas of organization Schools**

### **organization Academy**

- technicians
- IT-Specialists
- industrial master craftsman
- hospitality
- medical & health education

### **Vocational rehabilitation & job training centre**

- industrial & technical occupations
- commercial or administration professions

### **Correspondence college**

technicians

- industrial masters
- craftsman
- hospitality
- additional short-term courses

### **Our partner organization**

- „German Industrial Master Craftsman International“
- dual system; implementation
- Train the Trainer - „Professional Trainer International“
- „German Hotel and Tourism Specialist International“
- consulting



## Facilities

### Industry 4.0



### Laboratory



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## Facilities

## Machines



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# International learning opportunities

## Our partner organization

Through the global presence and accessibility of innovation and knowledge-transfer, Our partner organization guarantee the high standards associated with the well known quality-label “Made in Germany”.

By offering German education – an education with a global reputation of achieving the highest levels of quality, and also an education which is consequently greatly sought after - we offer:

- individual custom-designed trainings
- the “German Industrial Master Craftsman International”
- the introduction of the German dual vocational training system
- “Train the Trainer” seminars



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- “German Hotel and Tourism Specialist International”
- “Professional Trainer International”
- consultancy and evaluation



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## History of Our partner organization

<b>1970</b>	Algeria; Training of 450 skilled workers
<b>1980 – 1983</b>	Africa, refugees from former Rhodesia; Training of 100 skilled workers in the areas: mechanical engineering, metal, electronics and medical technician
<b>Until now</b>	China, Turkey, Saudi Arabia, Malaysia, VAE, Czech Republic, South Korea, Algeria, Vietnam, Namibia, a.s.o.  “Train the Trainer”- seminars with many various specializations Introduction of the German dual vocational training system Consulting to German school management and quality management systems



German Industrial Master Craftsman International with specializations  
in: metal, automotive, CNC production technology, mechatronics

We offer a wide range of different modules in our “Train the trainer” seminars.

Based on your demand, your specialists make themselves familiar with the education establishment of the German education system, as well as getting trained with trade-specific and field-specific contents.

- Renewable energy, photovoltaics, solar thermal energy
- Automotive, mechatronics, metal, electrical
- engineering PLC, CAD/CAM, CNC, Robotic
- Industry 4.0

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- Quality management
- Pedagogic
- a.s.o.

Dr. Eckert Akademie

Certified through **IHK-Akademie**

Mr. Paulus Shilongo Benjamin

took part in the training course

„Teacher Training Photovoltaics“

## Certificates

at Dr.-Robert-Eckert-Straße 3, 93128 Regensburg, Germany  
between 23/07/2016 and 07/09/2016.

### CONTENTS



#### PHOTOVOLTAICS AND RENEWABLE ENERGIES TOPICS

Identifying resources and scope of applied photovoltaics as contribution to professional/vocational training in Namibia | Basic principles and fundamental issues of solar power | Methods for consecutive planning and practical design of PV systems, for teaching and demonstrator purposes | Levels of system integration as systematic approaches towards applied PV systems | Components of PV systems | Planning and design | Mounting systems and building integration | Safety issues for mounting and maintenance work on PV installations | Storage and buffering of electrical power | PV generators combined with other power sources | PV-powered water pumping and outlook for further combinations | Installing, commissioning and operating real PV systems with regard to the Namibia market | Quality management for PV systems | The national Namibian PV market and outlook on market capacities | Networking with international PV communities

#### SELECTED THEMES FROM ELECTRICAL ENGINEERING

The basic principles of electrical engineering | Measuring electrical values | The effects and dangers of electrical current | Creating, reading and interpreting simple circuit diagrams | Measuring exercises and systematic fault finding | Testing of function for standard electrical, electromechanical and electronic components | Direct current circuits: Electricity and the atomic model | Basic electrical properties | Simple circuits | Electrical resistance | Circuits with resistors | Voltage dividers | Electrical power | Variable resistors | Capacitors and inductances in direct current circuits | Alternating current circuits: Alternating current values in electrical circuits | Calculating values of alternating currents | Capacitors in alternating current circuits | Inductors in alternating current circuits | Filter circuits | Power in

alternating current circuits | Ideal and real-world components | Electrical oscillating circuits | Transformers | 3-phase alternating current technology | Generating 3-phase alternating current | Star configurations in 3-phase alternating current power supplies | Delta configurations in 3-phase alternating current power supplies | Power in 3-phase alternating current power supplies |

Introduction to photovoltaics: Structure of a PV cell | Principle of a solar cell | Types of PV cell | Manufacturing techniques | Solar radiation on earth | Characteristic parameters of PV cells | Efficiency of a solar cell | Solar module | Design of a solar module | Concepts of PV systems | Energy storage | Planning and design of stand-alone PV systems

#### THE METHODS OF ACTIVITY-BASED PEDAGOGICS

Systematics of the dual system for occupational education in Germany | Subject areas and learning situations | Learning methods and types of learning | Structuring lessons and practical education | Carrying out activity-based learning in operational situations | Creating an environment that supports learning | Verbal and non-verbal communication | The occupational trainer as a leader | Leadership style and methods of leadership | An environment that supports learning | Supporting individuals | Practising intelligently | Transparent expectations for performance

#### FIELD TRIPS

Energieagentur Regensburg e.V. | Schneider Electric Sachsenwerk GmbH | Ostwind AG |

C.A.M.E.N. e.V. Centrales Agrar-Rohstoff Marketing- und Energie-Netzwerk e.V. | Clariant GmbH | Bioenergie GmbH & Co. KG | Kompostanlage Moosdorf GmbH | F.E.E GmbH Energietechnik | Flabeg GmbH



Regensburg, 07/09/2016

Dipl.-Wirt.-Ing. (FH) M. J. Zimmermann  
CEO



Dr. Eckert Akademie gemeinnützige GmbH | Dr.-Robert-Eckert-Str. 3 | 93128 Regensburg



CERTIFICATE · ZERTIFIKAT



We confirm

Mohd Khairul Shamsul B Abu Samah,  
born on October 12<sup>th</sup> 1980,

successfully completed the

“Certified Master Trainer Program”

at the Academy of Further Education, Dr.-Robert-Eckert-Straße 3, 93128 Regensburg,  
in the time between 19<sup>th</sup> September 2011 and 7<sup>th</sup> December 2011.

and

“SolidWorks”

at the Academy of Further Education, Dr.-Robert-Eckert-Straße 3, 93128 Regensburg,  
in the time between 13<sup>th</sup> November 2011 and 7<sup>th</sup> December 2011.

Result of the examination: good

**Examination Part Design in 3D:** SolidWorks user interface, mouse navigation, menu, toolbars, command manager and feature manager, sketch methods, relations, dimensions, formulas, simple parts (extruded, revolved, base/cut), sheetmetal and ribs, pattern and mirror features, draft, shell and rib, reference elements, hole wizard and features palette, construction of variants with configurations, error diagnosis and solutions, import of different data files.

**Part Design Drafting:** standard 2-view and projected views, isometric, descriptive and descriptive views, section views, aligned section view, detail, broken-out section, auxiliary view, sketch, model dimensions, simulations (geometric tolerance, surface finish, ...)

**Simulation/Assembly/Design:** assembly with existing components (bottom-up method), mates, interface detection, exploded view, harden design (part design in assembly environment), sub-assemblies, configurations and references, SolidWorks explorer (copy files, measure files, ...)

**Assembly Drafting:** assembly – section views, alternate position views, bill of material, fully table, configurations (Part Design Multi-Body Methods) (copy), selection tool, combine and merge, assembly design with multi-body parts

Herewith we confirm that the seminar and the examination has been made according to  
the regulation of DQG (“Deutsche Gesellschaft für Qualität”).

Regensburg, Dec. 7<sup>th</sup> 2011



## Reference projects

We have carried out teacher training for over 50 groups from China.

For example: In July 2018, Our partner organization again welcomed 15 teachers from the Shaanxi Energy Institute / China to the course: "Professional Trainer International".





**Specialisations:** Automotive  
Electrical engineering  
Mechatronics  
Metal  
Chemistry  
CNC production technology



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## International Kitchen Specialist

## DIMI - overview

The DIMI has a total of 960 teaching units with a duration of 12 months

**Interdisciplinary basic  
qualification:  
(360 TU)**

- Business management; 100 TU
- Information, communication and planning methods; 100 TU
- Operational cooperation; 80 TU
- Consideration of scientific and technical laws and principles; 80 TU

**Module 1**

**Specific operational  
qualification: (600  
TU)**

**Optional: Professional Management & Leadership  
Module 5**

**Organisation; 160 TU**

- Operational management; 60 TU
- Planning, control and

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communication systems;  
60 TU

- Occupational safety and environmental and health protection; 40 TU

## Module 2

**Management and personnel;  
160 TU**

## Module 3

- Personnel management; 60 TU

- Personnel development; 60 TU

- Quality management; 40 TU

## Module 4

**Technology; 280 TU**

- Electrical engineering / special demand of BMW





# Regular certificates

## CERTIFICATE



Dr. Eckert Akademie gGmbH

on the test for recognised certification as:

### German Industrial Master Craftsman International Specialisation: Automotive

born on 28.11.1992 in Jöhör

passed the certification course with a **grade of 2.70** (on a scale of 1 - 6).  
78.17 of 100 points were scored on the final test.

The following course contents were included in the certification course for German Industrial Master Craftsman International with specialisation: Automotive

#### Interdisciplinary basic qualification

Business management  
Information, communication and planning methods  
Operational cooperation  
Consideration of scientific and technical laws and principles

#### Specific operational qualification

Motor mechanics / Motor management / Alternative drive systems / Drive systems / Automotive safety systems – brakes / Automotive safety systems – drivetrain / Electronic and electrical systems  
Operational management / Planning, control and communication systems / Occupational safety and environmental and health protection  
Personnel management / Personnel development / Quality management

Regensburg, 05.05.2015

IHK-Akademie in Ostbayern GmbH

Kerstin Wimmer  
Team coordination

IHK Akademie  
in Ostbayern  
WISSEN • HANDELN • GRENZENLOS



Dr. Eckert Akademie gemeinnützige GmbH

Gottfried Singer  
Executive Chairman

ECKERT  
SCHULEN



Akademie  
in Ostbayern

WISSEN • HANDELN • GRENZENLOS

## Lehrgangszertifikat

geboren am [redacted] in [redacted]

hat vom 18. Februar 2013 bis 13. September 2013 an unserem Zertifikatslehrgang

### DIMI Deutscher Industriemeister International – Fachrichtung Metall Lehrgang mit IHK-Zertifikat

teilgenommen.

Der Lehrgangsumfang betrug 960 Unterrichtsstunden.

Der Zertifikatslehrgang wurde mit **gutem Erfolg (Note 2,00)** abgeschlossen.  
Im Abschlusstest wurden **84** von 100 erreichbaren Punkten erzielt.

Regensburg, 16.09.2013

IHK-Akademie in Ostbayern GmbH

Kerstin Artinger

Kerstin Artinger  
Teamkoordinatorin

## Summery

### Who can participate on this program?

- Students in the field of electrical engineering or corresponding fields
- Skilled workers with a minimum of 2 years work experience
- Workers with a minimum of 4 years work experience

### Duration:

- 12 months
- BQ-part: 3 months
- SQ-part: 9 months

**Examination through IHK-Akademie**



## Reference projects

A special certificate ceremony at organization Schools: 25 young men from Malaysia now have a German Master Craftsman Diploma. organization Schools presents Master Craftsman Diplomas for Malaysia



## Reference projects

### **Training for Vietnam's first "car makers": The cornerstone is successfully laid**

Eighteen teachers from Vietnam have successfully graduated from the first phase of the custom-made Train-the-Trainer program at the Campus in Regenstauf. Phase two, which will take place directly on the premises of the VinFast Training Center, is to begin shortly. This way, experts from Our partner organization condition the participants in Haiphong, Vietnam for the training of skilled personnel in their own land.



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## **Reference projects**

### **Chinese students trained in automotive engineering**

On Tuesday, 18 July 2017, Our partner organization welcomed eight students from "HARBIN CAMBRIDGE UNIVERSITY", China, to the programme "Advanced practical competence in automotive engineering".

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