Reference Projects Global Project Solutions

FESTO



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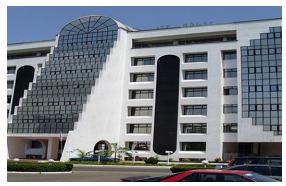


Center of Excellence ITF Abuja, Nigeria

Reference Project Global Project Solutions







ITF - Industrial Training Fund Abuja

Customer information	
Customer Name:	ITF Abuja
Contact:	Name: Mr. Dabara Tanko Email: tankodabs@vahoo.co.uk

Project Description

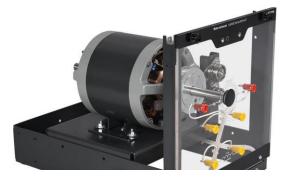
The Center of Excellence in Abuja is equipped with Industrial Drives and flexible manufacturing in Process and Factory Automation.

The Industrial Training Fund is currently taking part in an accreditation procedure run by the National Board for Technical Education (NBTE) awarding National Innovation Diploma (NID). The aim of the ITF is to provide students of Nigerian Universities with technical know-how in Mechatronics to give them first-hand experience. It also offers different training modules for engineers and technicians from the industry to certify them. Besides, the Training labs will serve as a research center.

The Center of Excellence in Abuja houses 2 labs – Industrial Drives and flexible manufacturing in Process and Factory Automation.

The Center of Excellence has been established in 2017.





Learning Environment for

- Flexible manufacturing in Process and Factory Automation
- Industrial Drives









Customer Benefits

- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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Industrial Training Center Sinde, Myanmar

Reference Project Global Project Solutions







Industrial Training Center Sinde

Customer information	
Customer Name:	Industrial Training Center Sinde
Contact:	Name: Phone Kyaw Email: itcsinde1979@gmail.com, uuphonekyaw@gmail.com

Project Description

The German Government, acting through the "Kreditanstalt für Wiederaufbau" (KfW) in Frankfurt, has granted subsidies to the Ministry of Industry (MoI) at Naypyitaw for the procurement of equipment for the Vocational Training Programme Sinde.

The purpose of the project is to improve students' technical skills, in order to increase their employability. Thereby, poverty and unemployment will decrease in the long run supporting the local economy.

The Industrial Training Center houses many different labs – Electronics, Mechatronics, Control, Pneumatic, Hydraulic and Building Automation lab, Refrigeration AC workshop, Automation workshop, Machine Operator workshop, Basic Tool & Die-workshop, CNC workshop, EDM workshop, Measurement workshop, Mould Making Assembly workshop, Drawing lab, CNC-CAM simulation lab, Basic metal lab, Machinery fitter workshop and Advanced Welding workshop

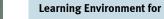
The Center has been established in 2016/2017.











- Mechatronics
- Pneumatics
- Hydraulics
- Electrics/Electronics and Industrial Drives
- Mechanical Engineering
- Building Automation
- AC & Refrigeration
- Car Mechatronics
- CAD/CAM/CNC
- Mould Tool & Die Making
- EDM





- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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Learning Factory 4.0, Philipp-Matthäus-Hahn-Schule, Balingen

Reference Project Global Project Solutions







Philipp-Matthäus-Hahn-Schule, Balingen

Customer Information	
Customer name:	Philipp-Matthäus-Hahn-Schule, Balingen, Germany
Contact:	pmh@gsz-bl.de

Project Description

In 2015, the school was awarded a contract for the project, which is sponsored by the state of Baden-Württemberg and is also financially supported by the regional economy.

Vocational and engineering students, teachers, as well as the local industry are delighted by the learning laboratories. In the future, the school will be an important partner for many industrial companies in the region. With these learning laboratories, specialists will be trained to meet the demands of the respective production.

The Philipp-Matthäus-Hahn-Schule purchased five learning laboratories – CNC Milling & Turning, Hydraulics, Mechatronics and Industry 4.0.

The installation of the learning laboratories took place in 2016.









Learning Environment for:

- Mechatronics
- Hydraulics/Electrohydraulics
- CAD/CAM/CNC
 CNC Milling
 CNC Turning
- Industry 4.0



Customer Benefits

- Wide range of applications: From basic training up to the highly sophisticated mobile working machine and learning factory
- Education solutions according to industrial requirements
- Increasing employability of graduates
- State-of-the-art training equipment and latest industrial technology
- Laboratory planning at the highest level
- Experience of Industry 4.0 in practice

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Multifunctional learning lab, industrial company in Germany

Reference Project Global Project Solutions







Industrial company in Germany

Project Description

The training workshop is equipped with multifunctional learning laboratories for Pneumatics, Mechatronics, and Factory Automation.

It offers a versatile range of possible uses, for individually tailored solutions.

The furnishing is variable in use, allowing the room layout to be quickly and easily adapted to suit changing requirements.

Expanding the learning space is also possible at any time.

The flexible supplies of media and the versatile furniture concept realized through TecDesign are ideal for both, theoretical and practical teaching, with suitable equipment for every learning environment. Connection ports for energy, compressed air, and data are located directly at the learning station.

The multifunctional learning lab has been established in 2016.





Learning Environment for

- Pneumatics/Electro-Pneumatics
- Advanced training in Industry 4.0









Customer Benefits

- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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FACT Centre Ado-Ekiti, Nigeria

Reference Project Global Project Solutions







Afe-Babalola University

Customer information	
Customer Name:	Afe Babalola University Ado-Ekiti (ABUAD)
Contact:	Name: Dr. Adeoye Email: <u>yinkael_roi@yahoo.com</u>

Project Description

The FACT Centre at the Afe Babalola University in Ado-Ekiti is equipped with Basic technologies in Fluidics, Process Automation Manufacturing and Packaging Factory solution.

The aim of ABUAD is to provide technical knowhow to ABUAD students by training them to be certified engineering experts in Automation Technology – Factory and Process Automation. It also offers training modules for engineers and technicians from the industry in the area of basic and advanced Manufacturing and Automation.

The FACT Centre has been established in 2015.











Learning Environment for

- Pneumatics / Electro-Pneumatics
- Hydraulics / Electro-Hydraulics
- Process automation
 Manufacturing and
 Packaging System

Customer Benefits

- Start with the basic disciplines of mechatronics in the Basic Training lab and continue to the highly-sophisticated, fully automated Packaging Factory solution
- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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FACT Centre Montevideo, Uruguay

Reference Project Global Project Solutions







Ministerio de Industria, Energía y Minería

Customer information	
Customer Name:	Ministerio de Industria, Energía y Minería (MIEM); UTU - Universidad del Trabajo del Uruguay
Contact:	Name: Mr. Carmelo Di Stasio Email: carmelo.distasio@gmail.com

Project Description

The Centre of Excellence for Industrial Automation and Mechatronics is an initiative which emerged from the cooperation between the government of Uruguay and UNIDO supported by Festo Didactic SE.

The Centre is designed to offer training for employability (students from UTU) and training for productivity (local and regional industry).

The FACT Centre in Montevideo houses four labs - Virtual Mechatronics, Electrics/Electronics/Drives, Fluidics and AFB Factory (Agro, Food & Beverage).

The FACT Centre has been established in 2015.













Learning Environment for

- Virtual Mechatronics
- Pneumatics / Electro-Pneumatics
- Hydraulics / Electro-Hydraulics
- Electrics / Electronics and Industrial Drives
- Process automation Manufacturing and Packaging System

Customer Benefits

- Start with the basic disciplines of mechatronics in the Basic Training lab and continue to the highly-sophisticated, fully automated Packaging Factory solution
- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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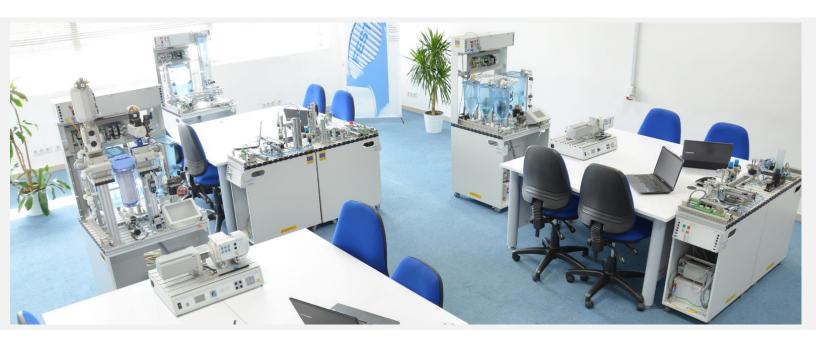
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FACT Centre Cairo, Egypt

Reference Project Global Project Solutions







Nile University

Customer information	
Customer Name:	Nile University, Egypt
Contact:	Name: Haytham Mohsen Yassin Email: <u>hyassin@nu.edu.eg</u>

Project Description

NU has partnered with Festo to establish the FACT Centre Cairo as part of the TEMPUS project (Advanced Engineering Systems: bridging the gap between Academia and Industry), that is capable of outreaching industrial entities and solving their technical and training needs. This know-how is customized to fulfil the Egyptian industrial needs utilizing the didactic methods of Festo, integrated into the labs "Basic technologies" covering the training topics of Pneumatics, Sensorics, Safety and PLC, and the "Fully automated System lab" addressing commissioning, troubleshooting and closed loop control.

The FACT Centre has been established in two phases - Basic technologies of Mechatronics, MPS® 200/MPS® PA in phase 1 (2012) and CAD/CAM/CNC in phase 2 (2015).













Learning Environment for

- Pneumatics / Electro-Pneumatics / Safety
- Hydraulics / Electro-Hydraulics / Prop.-Hydraulics
- Partly automated systems – Factory and Process Automation
- CAD/CAM/CNC

Customer Benefits

- Fulfil the Egyptian industrial needs
- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

FACT (Festo Authorized & Certified Training) Center Cairo is the first FESTO Certified Training Centre in Africa that holds FESTO's seal of quality indicating conformity to uniform global standards for learning equipment and didactic methods for technical & vocational training in industrial automation and mechatronics.

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FACT Centre Abu Dhabi, United Arab Emirates

Reference Project Global Project Solutions







Abu Dhabi Polytechnic

Customer information	
Customer Name:	Abu Dhabi Polytechnic
Contact:	Name: Dr. Saud Aldajah Email: saud.aldajah@adpoly.ac.ae

Project description

The FACT Centre at the Abu Dhabi Polytechnic (ADPoly) is equipped with basic technologies of fluidics, process automation and factory automation.

The aim of ADPoly is to qualify students to become professionals in process and automation technology.

The institute offers a dual system for vocational education meeting the highest international standards in order to build up a knowledge-based economy in the UAE.

The FACT Centre houses 4 labs – pneumatics, hydraulics, process automation and factory automation.

The FACT Centre was established in 2014.













Learning environment for

- Pneumatics/Electropneumatics
- Hydraulics/Electrohydraulics
- Advanced training in process automation
- Flexible manufacturing in factory automation

Customer statement

"ADPoly collaborated with Festo, a world-wide supplier of automation technology and the performance leader in industrial training and education programs to establish the 1st FACT centre in the Middle East. This centre will provide students with top class training in fluidics, process automation, and factory automation technologies."

Dr. Saud Aldajah

Customer benefits

- Bring student education closer to industrial demands
- Increase the employability of graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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FACT Centre Bhubaneswar, India

Reference Project Global Project Solutions







C.V. Raman College of Engineering

Customer information	
Customer Name:	C.V. Raman College of Engineering
Contact:	Name: Prof. Dr. Ranjan Rashmi Pradhan Email: <u>ranjanpradhan22@gmail.com</u>

Project Description

The FACT Centre at the C.V. Raman College of Engineering in India is equipped with Process Automation training equipment covering all levels of Mechatronics – basic, partly and fully automated system.

The aim of the college is to provide technical know-how to students to become certified engineering experts in Process Automation Technology.

It also offers a wide range of different training modules for engineers and technicians from the industry.

The FACT Centre in Bhubaneswar houses one lab – Process Automation.

The FACT Centre has been established in 2014.





Learning Environment for

 Basic, partly and fully automated training system in Process Automation









Customer Benefits

- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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FACT Centre Mahdia, Tunisia

Reference Project Global Project Solutions







Insititut Supèrieur des Études Technologiques

Customer information		
Customer Name:	ISET - Institut Supèrieur des Études Technologiques	
Contact:	Name: Mr. Sami Amari Email: <u>samyamary@yahoo.fr</u>	

Project Description

The FACT Centre at the ISET in Tunisia is equipped with a Flexible Manufacturing System (FMS) to provide effective engineering of entire manufacturing processes in the industry with the focus on Factory Automation.

The aim of ISET is to provide technical knowhow to ISET students to become certified engineering experts in Automation Technology – Factory Automation.

It also offers a wide range of different training modules for engineers and technicians from the industry.

The FACT Centre in Mahdia houses one lab with a Flexible Manufacturing System.

The FACT Centre has been established in 2014.

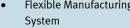




technology and SCADA applications • Flexible Manufacturing

Learning Environment for

PLC training, Fieldbus











Customer Benefits

- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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FACT Centre San Salvador, El Salvador

Reference Project Global Project Solutions







ITCA Instituto Tecnológico Centroamericano

Customer information	
	Instituto Tecnologico
Customer	Centroamericano (ITCA)
Name:	German Technical Cooperation
	(GTZ)
	Name: Ing. Ovanio Humberto
Contact:	Avalos Garcia
	Email: oavalos@itca.edu.sv

Project Description

The FACT Centre San Salvador is a joint project of ITCA and GTZ for the establishment of a Dual Education Program. The layout of the laboratories has been designed by Festo Didactic, which has also assisted in the coordination of the project.

The FACT Centre houses three labs which are equipped with Basic technologies of Mechatronics and two Process Automation Manufacturing and Packaging Systems – one for students Dual Education and one for Industrial Training.

The FACT Centre has been established in three phases – 2008, 2011 and 2012.





Learning Environment for

- Pneumatics / Electro-Pneumatics
- Hydraulics / Electro-Hydraulics
- Industrial Drives
- Process automation Manufacturing and Packaging Systems









Customer Benefits

- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

ITCA -FEPADE Vision: To be a leader institution in technical education in the national and regional levels committed to quality, entrepreneurship and relevance of our educational offer.

ITCA – FEPADE Mission: To form integral and competent professionals in technological areas that have demand and opportunity within the local, regional and worldwide labour market for workers as well as businessman.

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FACT Centre Lagos State, Nigeria

Reference Project Global Project Solutions







Government Technical College Agidingbi

Customer information		
Customer Name:	Government Technical College Agidingbi in cooperation with Lagos Eko Project	
Contact:	Name: Mr. Otukomaya S. Oyekunle Email: <u>s.oyekunle@ng-festo.com</u>	

Project Description

The FACT Centre Lagos is a successful cooperation between the Lagos State Government and Festo. Based on the principle "Learning by doing", Festo has developed a training schedule which includes employability training for students and productivity training for employees from industry.

The organization and management of the Industrial Training Program is handled by Festo Nigeria.

The FACT Centre consists of two labs – Virtual Mechatronics / Basic technologies of Mechatronics and Partly automated systems – Factory and Process Automation.

The FACT Centre has been established in 2012.











Learning Environment for

- Virtual Mechatronics
- Pneumatics / Electro-Pneumatics
- Hydraulics / Electro-Hydraulics
- Factory and Process
 Automation

Customer Benefits

- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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Centre of Excellence Shinas, Oman

Reference Project Global Project Solutions







VTC Vocational Training Centre

Customer information	
Customer Name:	Vocational Training Centre in Shinas, Oman
Contact:	Email: vtcshinas@hotmail.com

Project Description

The Vocational Training Centres (VTC) have become one of the key occupational and vocational sources of support to the Omani labour market providing knowledge and skills and competent graduates who can contribute to the economic development of the country.

The Vocational Training Centre houses a combination of two laboratories in one lab - Basic technologies of Mechatronics and Process Automation Manufacturing and Packaging Factory Solution.

The Centre of Excellence has been established in three phases: Basic technologies of Mechatronics, Factory Automation and Packaging System and Process Automation in the years 2007, 2008 and 2010.





Learning Environment for

- Pneumatics / Electro-Pneumatics
- Hydraulics / Electro-Hydraulics
- Sensorics
- Process automation Manufacturing and Packaging System









Customer Benefits

- To be able to start with the basic disciplines of mechatronics in the Basic Training lab up to the highly sophisticated fully automated Packaging Factory solution
- Bring the education of the students closer to industrial demands
- Increasing the employability of the graduates
- State-of-the-art training equipment and competency based training in technology
- World-class lab design according to international standards

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FACT Centre Sojapango, El Salvador

Reference Project Global Project Solutions







Universidad Don Bosco (UDB)

Customer information	
Customer Name:	UDB – Universidad Don Bosco
Contact:	Name: Reina Duran de Alvarado Email: <u>reina.alvarado@udb.edu.sv</u>

Project Description

The FACT Centre at the Universidad Don Bosco (UDB) in El Salvador is equipped with a Computer Integrated Manufacturing system (CIM) to provide effective planning and engineering of entire manufacturing processes in the industry. Production planning and organization are the main topics of that Flexible Manufacturing System (FMS).

The aim of UDB is to provide technical knowhow to UDB students to become certified engineering experts in Automation Technology – Factory Automation.

It also offers training modules for engineers and technicians from the industry in the area of advanced Manufacturing and Automation.

The FACT Centre in Don Bosco houses one lab with an iCIM system – Industrial Robotics and CAD/CAM/CNC.

The FACT Centre has been established in 2010.





Learning Environment for

- CAD/CAM/CNC
- Industrial Robotics
- iCII









Customer Benefits

- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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FACT Centre Beijing, China

Reference Project Global Project Solutions







Beijing Educational College of Electronic Science

Customer information	
Customer Name:	Beijing Educational College of Electronic Science
Contact:	Name: Mrs. Wang Jing Email: wangjing100026@126.com

Project Description

The FACT Centre Beijing houses six labs, which dispose of cutting edge training equipment and constitute a perfect environment for application-driven learning. The training subjects include Pneumatics, Electro-Pneumatics, Hydraulics, Electro-Hydraulics, PLC programming and Fieldbus technology and Fully automated system. The aim of the FACT Centre is training for employability for their own students. In the future, the Centre will also offer training courses to machine operators, maintenance and repair staff and R&D specialists. After its establishment, the FACT Centre has gained the reputation of a professional and competent partner in vocational training.

The FACT Centre has been established in 2009.









Learning Environment for

- Pneumatics / Electro-Pneumatics
- Hydraulics / Electro-Hydraulics
- PLC training and Fieldbus technology
- Flexible Manufacturing System



Customer Benefits

- Start with the basic disciplines of mechatronics in the Basic Training labs and continue to the highly-sophisticated, partly automated system.
- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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FACT Centre Bsarma, Lebanon

Reference Project Global Project Solutions







Zeenni's Trading Agency and Industries

Customer information	
Customer Name:	Zeenni's Trading Agency and Industries
Contact:	Name: Mr. Ibrahim Mallat, Director Email: <u>imallat@zeenni.com</u>

Project Description

The establishment of the FACT Centre for Mechatronics resulted from a gap in the practical know-how of university graduates, who did not fulfil the application-oriented skill demands of local industry.

That's the reason why a local company decided to cooperate with Festo to establish a FACT Centre to train own staff as well as participants from the surrounded industry.

In the meantime, the FACT Centre has established a subsidiary in cooperation with a local university in order to offer demand-driven educational solution for students.

The FACT Centre consists of two labs – Basic technologies of Mechatronics – Fluidics / CAD/CAM/CNC and Process Automation Manufacturing and Packaging Factory solution.

The FACT Centre has been established in 2008.











Learning Environment for

- Pneumatics / Electro-Pneumatics
- Hydraulics / Electro-Hydraulics
- CAD/CAM/CNC
- Process automation Manufacturing and Packaging System

Customer Benefits

- Start with the basic disciplines of mechatronics in the Basic Training lab and continue to the highly-sophisticated, fully automated Packaging Factory solution
- Bring student education closer to industrial demands
- Increase the employability of the graduates
- State-of-the-art training equipment and competency based technology training
- World-class lab design according to international standards

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