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> 9th International Skills Forum Reimagining Education and Skills Development for a New Normal

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Competence Centre for Digitalization, Technology and Innovation

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Industrial Revolution 4.0 - IR 4.0 - Skills Training





Joint Training Facility between TUM Asia and Festo

Dr. Markus Wächter Managing Director





FESTO

Festo Didactic

Leader in

technical education and

a global partner for

competence

development

Mr. Volker Schmid Head of Didactic, Asia Pacific



- Courseware
- Learning systems
- Digital learning
- Lifelong learning

I / Key Technology Fields

Fluid power and factory automation

ADB

- Electrical engineering
- Industrial controls
- Industry 4.0
- Renewable energy

Programs

- Bachelor of Engineering
- Master of Science
- Executive Education
- TVET
- Train-the-trainers

Key Competencies

- Curriculum planning/development
- Change management
- Design thinking
- Practical-oriented pedagogy
- Corporate social responsibility

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Our Philosophy

Eco-System

- Maximise outreach through collaboration
- Community network of partners

Transformation Enabler

- Using data, technology and operating models to help accelerate industry transformation for manufacturing sector
- Knowledge and skills upgrade for teachers



Knowledge Exchange Platform

 Exchange of ideas between institutions, suppliers and industries on educational related issues

Practical-Oriented Training

- Practical-based training
- Qualified and trained training professionals
- State-of-the-art training equipment

Industry Relevance

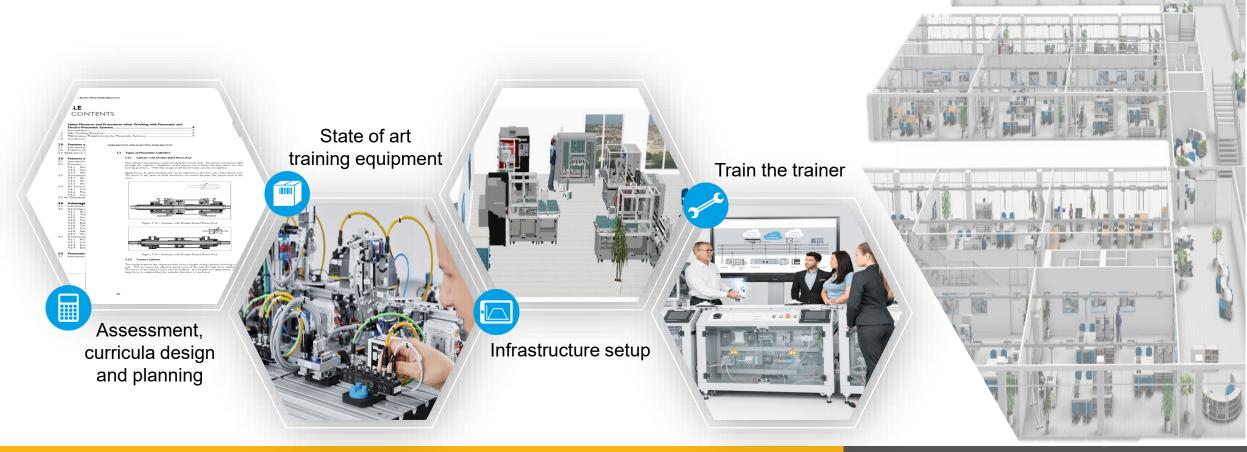
 Tailored to market needs – From the Industry, For the Industry

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Everything from a single source

Consultation in Technical Education and Training Development



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Embracing the Trend of Digitalisation in Education and Training

From Fundamental Technology to Industry 4.0

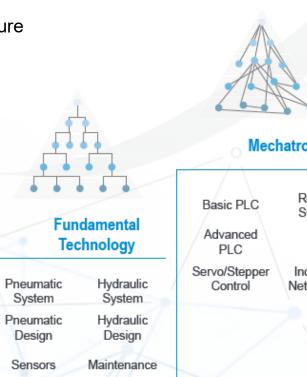
From Classic Automation Pyramid to Network-Oriented Architecture



On-going check on new course demand in the market to close the competency gap in the industry.

Some potential new courses:

- Energy Efficiency
- Cyber security
- Digital Twin, SIRI, etc... (some started already)





Industry 4.0

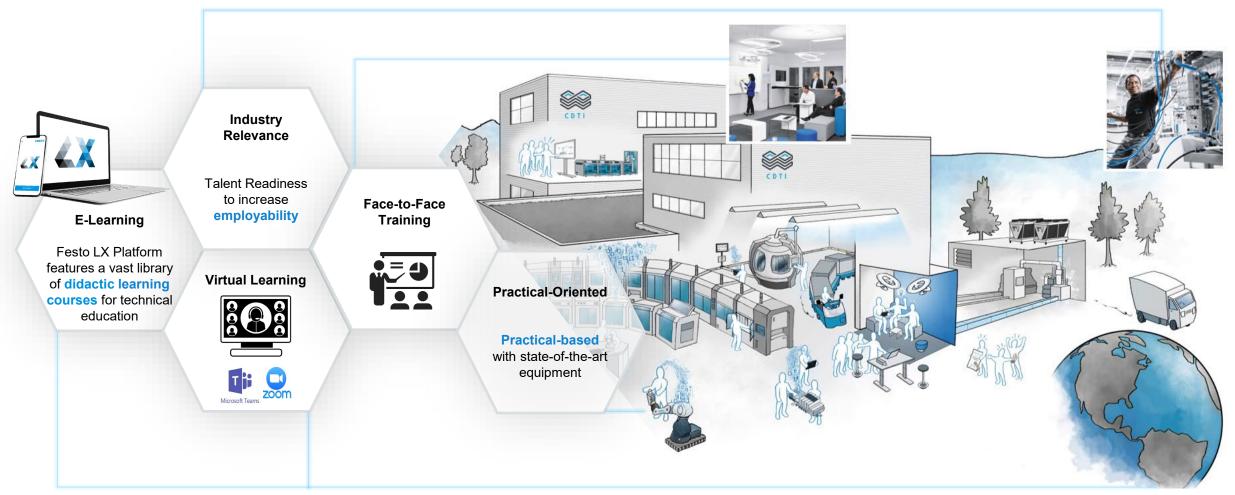
A	Horizontal Digital Integration Transformation	
hatronics	OPC-UA Augmented Reality	
	LEAN and Autonomous Industry 4.0 Robotic	
Robotic System	Cyber Physical Node-Red System Programming	
HMI	Internet of Smart Sensor & Things IO-Link	
Industrial Networking	Smart Manufacturing Manufacturing Execution with RFID System	

ADB





Holistic Approach - Enabling the Best Environment for Learning Experiences







Ecosystem

Maximising outreach for optimised skills training and employability

- Collaborate with government agencies and local technical institutions
- Building the active ecosystem with technology companies to respond quickly to the needs of the industry –
 From the Industry For the Industry



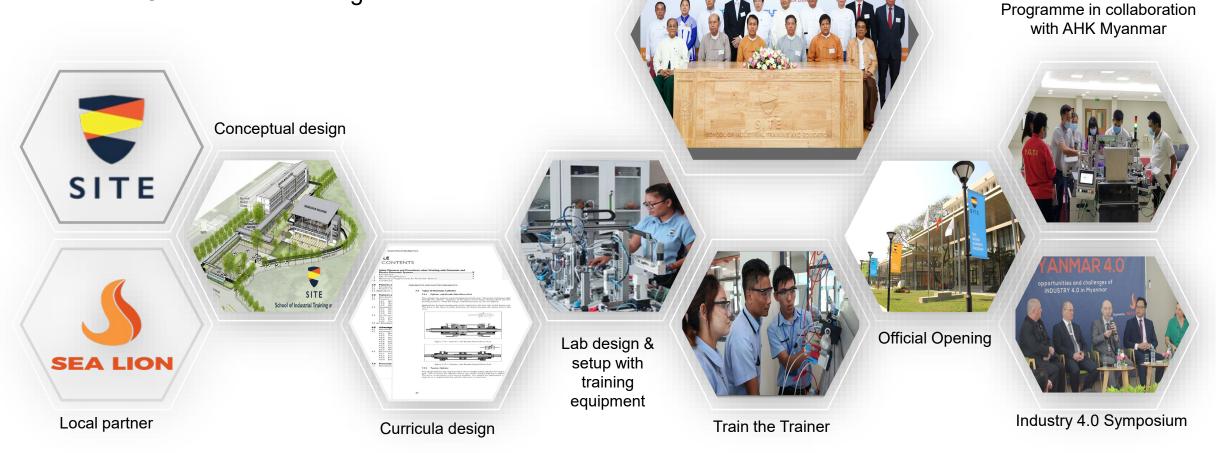
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Success Story - SITE

The School Of Industrial Training And Education



SEA LION

SITE

Collaboration

COLLABORATION AGREEMEN

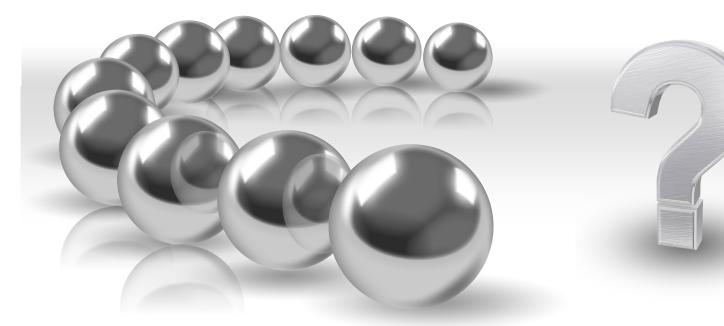
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Industry 4.0 Specialist Training







Thank you for your attention! Questions?



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