

SIEMENS Mechatronic System Certification Programme (SMSCP) Level 1



Siemens AG

- World leader in Mechatronics and Automated Systems Technologies
- 100+ year tradition in Technical Education
- Support and training in Mechatronics for over 20 years

Siemens Technik Akademie Berlin

- State recognized & accredited technical college
- Sophisticated International Programs
- Innovative Training Approach
- “*Handlungskompetenz*”
- 10 years experience in Mechatronics education

SIEMENS CERTIFICATIONS

Siemens Certification in Mechanical and Manufacturing Systems (SCMMS)*

Certification: Siemens Technical Academy, Berlin

Siemens Mechatronics System Certification (SMSCP)

Certification: Siemens Technical Academy, Berlin

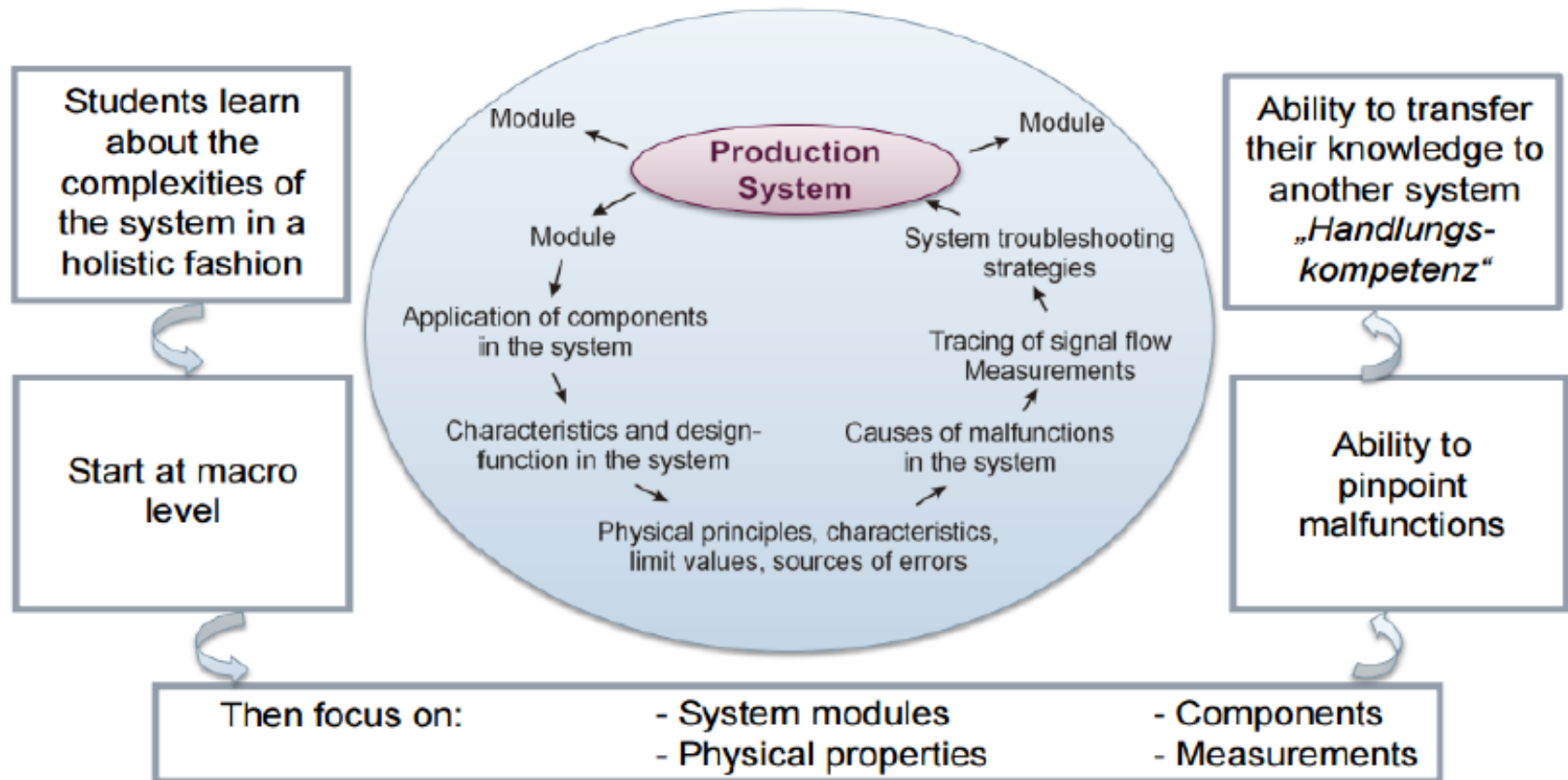
Siemens Industry Training (SITRAIN)

- Siemens Certified Integrated Engineering Technician
- Siemens Certified PLC Technician
- Siemens Certified HMI Technician/ PLC Programming

Certification: Siemens AG

* To commence in Q3 2016

SYSTEM APPROACH – HOLISTIC & HANDS ON LEARNING



SIEMENS MECHATRONIC SYSTEMS CERTIFICATION (SMSCP) COMPETENCY AREA

Level 1

Siemens Certified Mechatronic Systems Assistant
Emphasis on efficiently operating complex mechatronic systems, troubleshooting and foreseeing problems.

Level 2

Siemens Certified Mechatronic Systems Associate
Focus on systems management investigation, repair and troubleshooting.

Level 3

Siemens Certified Mechatronic Systems Professional
Emphasis on professional systems engineering.

**Level I
Mechatronic Systems
Assistant**

- Electrical Components
- Mechanical Components and Electric Drives
- (Electro) Pneumatic and Hydraulic Circuits
- Digital Fundamentals and PLCs

**Level II
Mechatronic Systems
Associate**

- Process Control Technologies
- Introduction to Totally Integrated Automation
- Automation Systems
- Motor control
- Mechanics and Machine Elements
- Manufacturing Processes

**Level III
Mechatronic Systems
Professional**

- Requirements Engineering
- Project Management – Planning & Tracking
- Engineering
- Quality Assurance & Management
- Practical Applications
- Professional Engineering Project

SMSCP SAMPLE JOB PROFILE

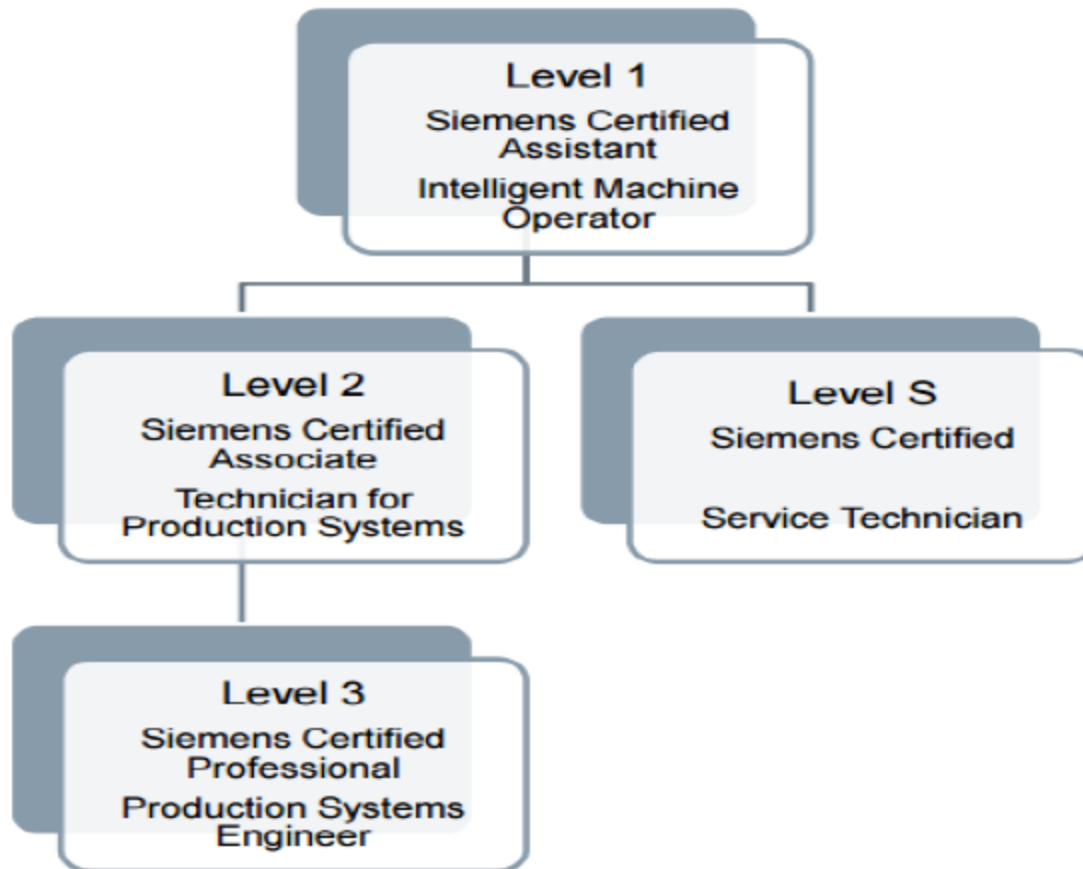
Level I Entry-Level Industrial Maintenance Technician

- Tend to and observe equipment and machinery to verify efficient and safe operations.
- Examine and test machinery and components for defects.
- Clean and maintain machinery, equipment, and tools.
- Disassemble broken and defective equipment to facilitate repair and reassemble when repairs are complete.
- Provide assistance to more skilled technicians in the repair and maintenance of machines.

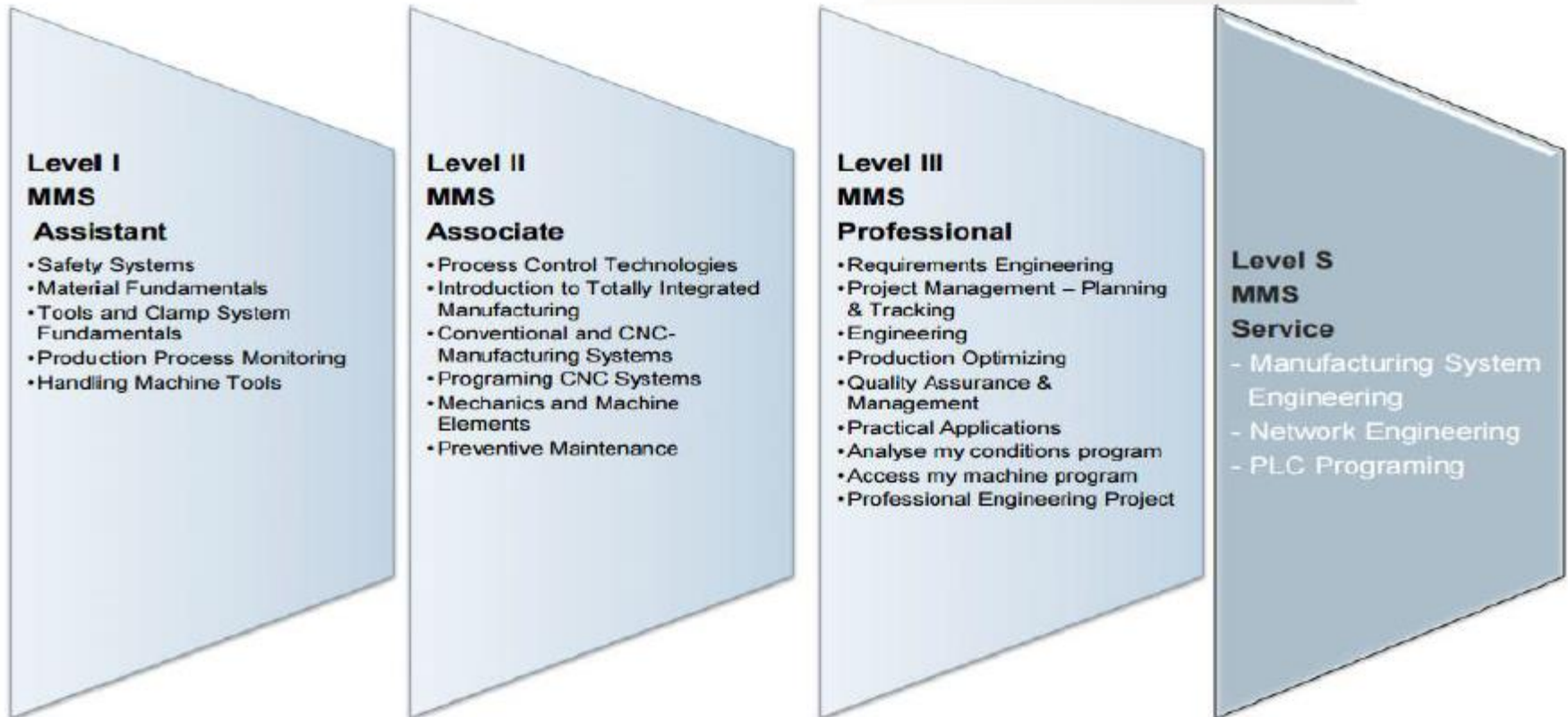
Level II Industrial Maintenance Mechanic/ Technician

- Repair and replace broken or malfunctioning components of machinery and equipment.
- Repair and maintain the operating condition of industrial production and processing machinery and equipment.
- Observe and test the operation of machinery and equipment in order to diagnose malfunctions, using voltmeters and other testing devices.
- Analyze test results, machine error messages, and information obtained from operators in order to diagnose equipment problems.

SIEMENS CERTIFICATION IN MECHANICAL & MANUFACTURING SYSTEMS (SCMMS) COMPETENCY AREA



SIEMENS CERTIFICATION IN MECHANICAL & MANUFACTURING SYSTEMS (SCMMS) COMPETENCY AREA



SCMMS LEVEL 1 SAMPLE JOB PROFILE



SIEMENS CERTIFICATION PROGRAMS – BENEFITS TO INDUSTRIES

Certified employees and contractors ensure a high quality and productivity. Having the relevant expertise is an essential prerequisite for self confident and effective action. Cycles of innovation are also becoming shorter and shorter, combined with market pressures for efficiency make the establishment of skill standards through certifications an absolute necessity.

The training and certifications offered by Siemens enables the efficient use of automation technologies including their correct design, installation, commissioning and support. Elevate your confidence that staff and contractors have a proven level of skills with Siemens certifications and see real results in:

- More efficient project designs
- Shorter commissioning times
- Lower maintenance expenditures
- Minimized downtime
- Flexible adaptation of equipment to changing requirements
- Improved quality standards in production
- Shorter learning curves when there are changes in technology or personnel
- Motivated, committed employees



Registration Form

Name	Designation	NRIC No	Gender
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Company name:	Industry
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Address

Postcode	City	State
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Tel	Mobile	Email	Fax
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I declare that the participant listed above is an employee of our company. I agree that, in the event the above mentioned participant fails to complete the program, the organizer will not refund the deposit of RM2,000.

Signature: _____

Name: _____

Designation: _____

Cheque should be crossed and made payable to SME Malaysia