



EEC AUTOMATION PARK

ASEAN Support Program for GX/DX Human Resource Development



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การลงคำ OEE แบบต้นทุนต่ำเพื่อการปรับปรุงผลผลิต

อบรมเพื่อยกระดับอุตสาหกรรมด้วยเทคโนโลยีดิจิทัล

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Real-Time Machine Electricity Monitoring and Analysis with SCADA



Module	Topic	Batch1	Batch2	Batch3
System Preparation for Measure Electricity	Day 1: Smart Manufacturing Kaizen Level (SMKL) & Basic PLC and Human Machine Interface (HMI) - Understanding and Application	10 Jun 25	30 Jun 25	21 Jul 25
	Day 2: HMI and Power Meter - Understanding and Application	11 Jun 25	1 Jul 25	22 Jul 25
Industrial Database Application	Day 3: SQL Database and System Interface Hardware, Data Transfer and Record	12 Jun 25	2 Jul 25	29 Jul 25
	Day 4: (OJT1 at Factory, 1 Factory/day) Factory Walkthrough & Power Meter/CT Hardware and Software Setup	13 - 20 Jun 25	7 - 18 Jul 25	30 Jul - 8 Aug 25
SCADA and Remote Display	Day 5: SCADA - Practice Basic Monitoring and Control	25 Jun 25	23 Jul 25	13 Aug 25
	Day 6: Energy Measure Display and Group Meeting for Factory Energy Measure	26 Jun 25	24 Jul 25	14 Aug 25
Monitor and Analyze Data from SQL	Day 7: System Architecture Setup, Create SCADA Display, Send Data SQL Database	27 Jun 25	25 Jul 25	15 Aug 25
	Day 8: (OJT2 at Factory, 1 Factory/day) Create SCADA Display for Visualization and Commissioning Platform	30 Jun - 7 Jul 25	30 Jul - 6 Aug 25	18 - 27 Aug 25
	Day 9: Project Summary and Presentation for Electricity Visualization, Minimize Energy Loss and Downtime Reduction	9 Jul 25	8 Aug 25	29 Aug 25

Benefits to Factory

- Reduce Energy Costs
- Analyze Overloading/Waste
- Plan Electrical System Improvements

Target Group

- Employees Engaged in The Manufacturing Industry
- On-site Workers on Production Lines
- Employees in Production Control or Kaizen Teams
- Middle Management in The Manufacturing Industry

Normal Course Fee 39,970 THB/Person

Special 20 Seats Only, Free of Course Fee -
Supported Expense by Japanese Government and EEC Model Type B
Supported Expense Condition: Employee of Japanese Company or Supplier of Japanese Company Only

Register



2025-05-09

09.00 - 16.00 U. EEC Automation Park

Contact Us

Yutthasak Promtaeng (Yuth)

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Email: yutthasak@eng.buu.ac.th



Carbon Footprint Platform for Green Manufacturing



Module	Topic	Batch1	Batch2	Batch3
Carbon Footprint of Product (CFP) and Life Cycle Assessment (LCA) Workshop	Day 1: Introduction to LCA, Concept of CFP Based on ISO 14067	11 Jun 25	2 Jul 25	23 Jul 25
	Day 2: CFP Workshop - Understanding Calculation Method	12 Jun 25	3 Jul 25	24 Jul 25
CFP Factory Case Implement	Day 3: Case Study of CFP - B2B and B2C Carbon Footprint	13 Jun 25	4 Jul 25	25 Jul 25
	Day 4: (OJT1 at Factory, 1 Factory/day) CFP Real Case - Inventory, Calculation and Reduction	16 - 20 Jun 25	7 - 11 Jul 25	29 Jul - 1 Aug 25
Carbon Footprint of Organization (CFO) and Factory Case Implement	Day 5: Concept of CFO Based on ISO 14064 and CFO Workshop	23 Jun 25	14 Jul 25	4 Aug 25
	Day 6: (OJT2 at Factory, 1 Factory/day) CFO Real Case - Inventory, Calculation and Reduction	24 - 27 Jun 25	15 - 18 Jul 25	5 - 8 Aug 25
Energy Efficiency and Carbon Neutrality	Day 7: Smart Manufacturing Kaizen Level (SMKL) & Energy Reduction and Smart Technology to Reduce Carbon Emission	7 Jul 25	29 Jul 25	18 Aug 25
	Day 8: Project Summary and Presentation for Carbon Emission Reductions, Energy Conservation/Efficiency and Action Plan	14 Jul 25	4 Aug 25	25 Aug 25

Benefits to Factory

- Understand CO₂ Emissions
- Plan Carbon Reduction
- Prepare for Carbon Neutrality

Target Group

- Manufacturing Professionals, Sustainability Officers, Engineers, and Energy Managers.
- Thai Companies in The Japanese Supply Chain looking to Improve Their Environmental Performance and Manufacturing Efficiency.

Normal Course Fee 37,175 THB/Person

Special 20 Seats Only, Free of Course Fee - AMECC
Supported Expense by **Japanese Government** and **EEC Model Type B**
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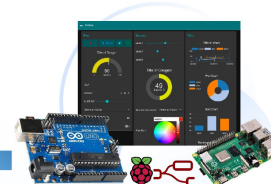
Business Development Engineer

Tel: 089-500-1021

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Low-Cost OEE Visualization for Productivity Improvement



Module	Topic	Batch1	Batch2
Understanding OEE and Basic Arduino	Day 1: Smart Manufacturing Kaizen Level (SMKL) & OEE Tracking Concept and Improvement	2 Jul 25	30 Jul 25
	Day 2: Arduino Programming Development and Industrial Sensors	3 Jul 25	31 Jul 25
Raspberry Pi for Industrial Automation	Day 3: Raspberry Pi, Node-Red and MySQL Database	4 Jul 25	1 Aug 25
	Day 4: (OJT1 at Factory, 1 Factory/day) System Installation and Testing Data	7 - 11 Jul 25	4 - 8 Aug 25
OEE Calculation and Data Visualization	Day 5: Get Data From Database MySQL and Calculate OEE	16 Jul 25	13 Aug 25
	Day 6: Dashboard Design and Realtime Visualization	17 Jul 25	14 Aug 25
Low Cost OEE Factory Application	Day 7: (OJT2 at Factory, 1 Factory/day) Real Case Workshop for OEE Visualization	21 - 25 Jul 25	18 - 22 Aug 25
	Day 8: Project Summary and Presentation for Productivity Improvement, Energy Waste and Carbon Emission Reductions	5 Aug 25	29 Aug 25

Benefits to Factory

- Increase Productivity
- Reduce Downtime
- Low Cost with Fast Results

Target Group

- Engineers, Production Managers, and Factory Personnel Involved in Process Improvement
- Companies in The Manufacturing Sector Aiming to Enhance OEE and Digitalize Operations
- Factories Seeking Low-Cost Solutions and Self-Development in Industrial Automation

Normal Course Fee 39,185 THB/Person

Special 20 Seats Only, Free of Course Fee - AMECC
Supported Expense by **Japanese Government** and **EEC Model Type B**
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Business Development Engineer

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ขอเชิญเข้าร่วมอบรม เพื่อยกระดับอุตสาหกรรมด้วยเทคโนโลยีดิจิทัล
3 หลักสูตรโดย EEC Automation Park

หลักสูตร

- ♦ Real-Time Machine Electricity Monitoring and Analysis with SCADA
- ♦ Carbon Footprint Platform for Green Manufacturing

◆ Low-Cost OEE Visualization for Productivity Improvement

- ✓ อบรมฟรี ไม่มีค่าใช้จ่าย (สำหรับบริษัทญี่ปุ่นหรือซัพพลายเออร์)
- ✓ ฝึกจริงจากผู้เชี่ยวชาญ พร้อม OJT ในโรงงาน
- 📅 อบรมระหว่างเดือนมิถุนายน – สิงหาคม 2568
- 📍 สถานที่ EEC Automation Park จ.ชลบุรี

สนใจสมัคร <https://forms.gle/HhVbMF8zzu4UDRra7>

สอบถามข้อมูลเพิ่มเติม

คุณยุทธศักดิ์ พรหมแดง

☎ 089-500-1021

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INTERESTING NEWS



AUTOMATION EXPO 2025

****AUTOMATION EXPO 2025** งานแสดงเทคโนโลยีและโซลูชันสำหรับระบบอัตโนมัติที่ยิ่งใหญ่ที่สุด** 🏆 ขยายพื้นที่เต็ม Hall...

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อบรมเชิงปฏิบัติการ สำหรับวิศวกร...

🔥 สำหรับวิศวกรและบุคลากรโรงงาน สถานประกอบการในสายปทุมวัน ขอเชิญร่วมพัฒนาศักยภาพด้วยหลักสูตรฝึกอบรมเชิงปฏิบัติ...

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งานประชุมวิชาการประจำปี สว...

สวทช. มีกำหนดจัดงานประชุมวิชาการประจำปี สวทช. NAC2025 ระหว่าง 26-28 มี.ค. นี้ ที่ สวทช. ปทุมธานี มีสันนิบาต มากกว่า 40 หัวข้อ...

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AUTONOMOUS DRONE

ศูนย์เชี่ยวชาญยานยนต์ขับเคลื่อนอัตโนมัติ #aDrive คณะวิศวกรรมศาสตร์ มหาวิทยาลัยบูรพา ร่วมกับ Avilon ROBOTICS เปิดอบรม...

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