



The Program on Productivity Improvement for Thailand [THPI]

-Energy conservation through productivity enhancement as well as the improvement of operation practices in production lines-

【Course Features】 ※All the lectures/visits will be conducted in Thai.

Learn about the 3 approaches (productivity improvement, operational improvement, and facility improvement) and specific techniques to conserve energy in the production process in the automobile, industrial machinery and electrical machinery fields and aim at realizing energy-saving in the production sites at your own companies.

Three approaches to conserve energy in the production process

Productivity Improvement	Operational Improvement	Facility Improvement (Introduction of high-performance equipment)
<ul style="list-style-type: none"> 3 "MU" reduction (<i>Muda, Mura, and Muri</i>) 5S, <i>Gemba Kaizen</i> Visual management Operational improvement and cost reduction by IE Reduction of failures and quality improvement Reduction of cycle time Just-in-time, etc. 	<ul style="list-style-type: none"> Energy conservation measures for <ul style="list-style-type: none"> A) Power receiving and distribution equipment and contract demand reduction B) Air conditioning and lighting C) Pumps and fans D) Air compressors, and boilers Optimization of capacity, operation and number of units of production equipment, etc. 	<ul style="list-style-type: none"> Solar panels High-performance boilers Gas turbine cogeneration system Air conditioners equipped with invertors Industrial heat pumps High-performance air compressors Electric power meters and demand monitors, etc.
<p>Visualization and analysis of data, promotion of efficiency and optimization by utilization of IT, IoT etc.</p>		

Date : 13 – 26 February 2020 (2 weeks)

Venue : AOTS Kansai Kenshu Center (Osaka, Japan)

Target : Senior managers, middle managers and engineers who are working for companies in the automobile, industrial machinery and electrical machinery fields (three businesses) or companies supplying to the companies in the three businesses in Thailand and should be controlling or in charge of manufacturing lines of products in the three businesses or products aimed at the three businesses.

Deadline: **9 December 2019 (Mon)**

Contact Information

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Schedule (Tentative)

***All the lectures/visits will be conducted in Thai.**

Date	Morning Session	Afternoon Session
12 Feb. (Wed)	(Arrival in Japan)	
13 (Thu)	Opening Ceremony / Orientation 【Lecture】 The activities of manufacturing industry to realize a reduced carbon society	【Lecture】 Energy-saving activities at <i>Gemba 1</i>
14 (Fri)	【Lecture】 Energy-saving activities at <i>Gemba 2</i>	
15 (Sat)	Day Off	
16 (Sun)	Day Off	
17 (Mon)	Study Tour	【Visit】 Energy-saving activities at <i>Gemba 1</i>
18 (Tue)		【Visit】 Lean production system (Assemble manufacturer)
19 (Wed)	【Lecture】 Lean production system	
20 (Thu)	【Lecture】 Productivity improvement by waste reduction and <i>Gemba Kaizen</i>	
21 (Fri)	【Visit】 Lean production system (Supplier)	【Visit】 Kaizen activities at <i>Gemba</i>
22 (Sat)	Day Off	
23 (Sun)	Day Off	
24 (Mon)	【Lecture】 IoT utilization at <i>Gemba</i>	
25 (Tue)	【Visit】 IoT utilization at <i>Gemba</i>	【Lecture】 Preparation for Presentation
26 (Wed)	【Lecture】 Productivity improvement / Energy-saving improvement Presentation of action plan	Closing Ceremony
27 (Thu)	(Departure from Japan)	

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