

Benchmarking Tour on Lean & TPM, May 2012

A Japan Study Trip to Learn Productivity Methodologies:

Lean or Toyota Production System (TPS) & Total Productive Maintenance (TPM)

Learn from Japan's world-class organizations such as Toyota and Calbee on Lean and TPM excellence that set them ahead of the competition. The program includes four plant visits and learning discussions with plant hosts on how best practices are executed for breakthrough performance.

The Singapore Innovation & Productivity Institute (SiPi), the latest centre of excellence of the Singapore Manufacturers' Federation (SMa), supported by the Employment and Employability Institute (e2i), has planned a benchmarking tour to Japan in May 2012 for companies in Singapore to see and learn first-hand the excellent implementation of productivity best practices – Lean or Toyota Production System (TPS) and Total Productive Maintenance (TPM). In collaboration with the Japan Management Association Consultants Inc. (JMAC), SiPi has secured four world-class Japan organizations to showcase their operational excellence achieved through Lean and TPM implementation:

Lean Excellence:

- **Toyota.** Besides touring the Toyota Kaikan Museum that showcases Toyota philosophy and success through informative displays, participants will get to tour a Toyota factory and gain first-hand exposure to the Toyota Production System that produces Japan's best-selling cars.
- **Gifu Auto Body.** A top-quality supplier of finished vehicle body to Toyota, Gifu offers another detailed study of how Lean principles and techniques such as electric Kanbans, JIT delivery, Poka Yoke, visual controls and 5S produce a continuous waste elimination culture that delivers quality performance for the organization.

TPM Excellence:

- **Oisia Foods** (a group company of Calbee). A leading cereal company in the "munch" industry, and a TPM Prize winner, Oisia embodies Calbee values of quality and safety for which TPM excellence plays a critical role. Participants will get insights into their world-class quality assurance system that drives continuous elimination of consumer complaints.
- **Taisho Pharmaceutical.** A leading OTC company with several top-ranking brands, Taisho displays outstanding equipment maintenance for its highly-automated manufacturing environment that won it a TPM prize. Participants will also get to see quality high-mix production achieved through factory automation, supply chain management and quality assurance systems.

Appendix A provides more details of the four companies.

Organized by:



Supported by:



Tour Outline

Tour dates: 20 to 26 May 2012
(incl flights to and from Japan)

Register by: 5 April 2012
(RSVP form enclosed)

Tour Highlights:

- 1-day workshop on Lean & TPM
- 4 plant visits:
 - Toyota (Lean)
 - Gifu Auto Body (Lean)
 - Oisia Foods - Calbee (TPM)
 - Taisho Pharmaceutical (TPM)

Locations: Tokyo, Aichi, Gifu, Saitama, Tochigi

For whom: Senior/middle management of companies keen on Lean and/or TPM implementation

Organized by: SiPi jointly with JMAC, supported by e2i

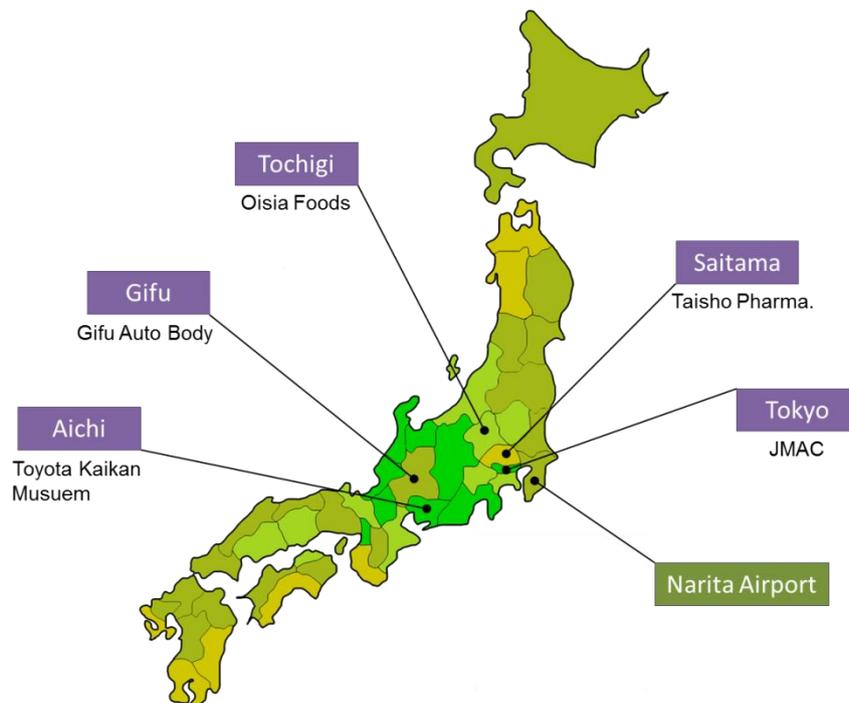
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Tour Itinerary

Date	Tour Activity	Location	Remarks
20 May '12 (Sunday)	<ul style="list-style-type: none"> Air transfer from Singapore to Tokyo Arrival, welcome dinner & orientation 	Singapore Tokyo	
21 May '12	<ul style="list-style-type: none"> Training workshop on Lean & TPM by JMAC 	Tokyo	Consultant specialized in productivity improvement
22 May '12	<ul style="list-style-type: none"> Land transfer to Tochigi Visit Oisia Foods 	Tochigi	TPM
23 May '12	<ul style="list-style-type: none"> Land transfer to Saitama Visit Taisho Pharmaceutical 	Saitama	TPM
24 May '12	<ul style="list-style-type: none"> Land transfer to Aichi Visit Toyota Kaikan Museum + Toyota plant 	Aichi	Lean
25 May '12	<ul style="list-style-type: none"> Visit Gifu Auto Body Land transfer to Tokyo Farewell party 	Gifu Tokyo	Lean
26 May '12 (Saturday)	<ul style="list-style-type: none"> Air transfer from Tokyo to Singapore 	Tokyo Singapore	



Tour Benefits

Participants in this benchmarking tour can look forward to the following takeaways:

- Gain first-hand insights to how world-class organizations achieve operational excellence, particularly through the Lean and TPM methodologies
- Understand the success factors and pitfalls of implementing Lean and TPM through learning discussions with the plant hosts
- Enhance knowledge of Lean and TPM through a training workshop by JMAC
- Leverage from the experience of other participants through networking and cross-sharing during the tour

Who Should Go

CEOs, COOs, senior management and middle management of companies which have a keen interest in implementing or enhancing their Lean and/or TPM programs.

Because of the business nature of the showcase companies, this trip is particularly relevant to companies in the automotive manufacturing, electronics and electrical manufacturing, food manufacturing, pharmaceutical manufacturing and medical device manufacturing. Notwithstanding, due to the cross-cutting applicability of the Lean methodology, manufacturing-related and services-related companies will also find significant learning value in this study trip.

Note that the tour hosts and organizers reserve the right to reject participants for reasons of business confidentiality without the need to disclose the reasons.

Appendix A – Profile of Showcase Companies

Company	Toyota Plant & Toyota Kaikan Museum	Gifu Auto Body	Oisia Foods (Group Company of Calbee)	Taisho Pharmaceutical
Industry/ Sector	Automotive	Automotive	Food & Beverage	Pharmaceutical
Products	Automobile 	Vehicle Body 	Cereal, snacks 	Over-the-Counter Drugs 
Areas of Excellence	Original Toyota Production System, Toyota Philosophy, Technology, Green Cars, Safety	Lean, Electric Kanbans, JIT Delivery, Poka-Yoke, Visual Management, 5S, TPM	TPM, 5S, QA systems, Kaizen, HACCP, Good Manufacturing Practices, TPM Prize	TPM, Supply Chain, Factory Automation, High-Mix Prod'n, Env., QA System, Safety, TPM Prize
Website	http://www.toyota.co.jp/en/about_toyota/facility/toyota_kaika/	http://www.gifubody.co.jp/eng/	http://www.calbee.co.jp/oisia/company/about.php	http://www.taisho.co.jp/en/
Location	Aichi	Gifu	Tochigi	Saitama

A line-up of world-class organizations for tour and discussion provides a critical learning experience that can help companies accelerate implementation of best practices to achieve operational excellence. Companies keen on this benchmarking tour are earnestly invited to act now and register! Contact us at:

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