

Toyota Production System (TPS) Training

By TMS & TPS Certificate Institution of Toyota
Engineering Corporation Japan



社団法人 TMS & TPS 検定協会
TMS & TPS Certificate Institution



豊田エンジニアリング株式会社
Toyota Engineering Corporation



Center for
Lean Excellence



Toyota Production System (TPS) is considered as one of the most
Successful Manufacturing Management Methodologies in the world.

TPS Practitioner Road Map



TPS - Grade I

Substantial contribution to the industry by implementing Total TPS; evaluated by senior TPS senseis at TEC



TPS – Grade II

Practical Implementation of Process Kaizens, Logistics Kaizen or Quality Kaizen and achieve a significant improvement in the business



Japan Study Tour

(Optional) Visit world class lean TPS manufacturing facilities and attend TPS training workshops by TEC



TPS – Grade III

Deeply explore the Total-TPS way of thinking, Kaizen Methodologies & Daily Management through application capability of Process Kaizens, Logistics Kaizens, Quality Kaizens, Equipment Kaizens



TPS – Grade IV

Understand the broader perspective of Total-TPS and practice.

START

CLE Offers You a Lifetime Opportunity to

Learn from the Source of Toyota Production System

In Collaboration with Toyota Engineering Corporation
Japan

Koichi Kai
40 years of experience in
TPS and Gemba Kaizen
Expert



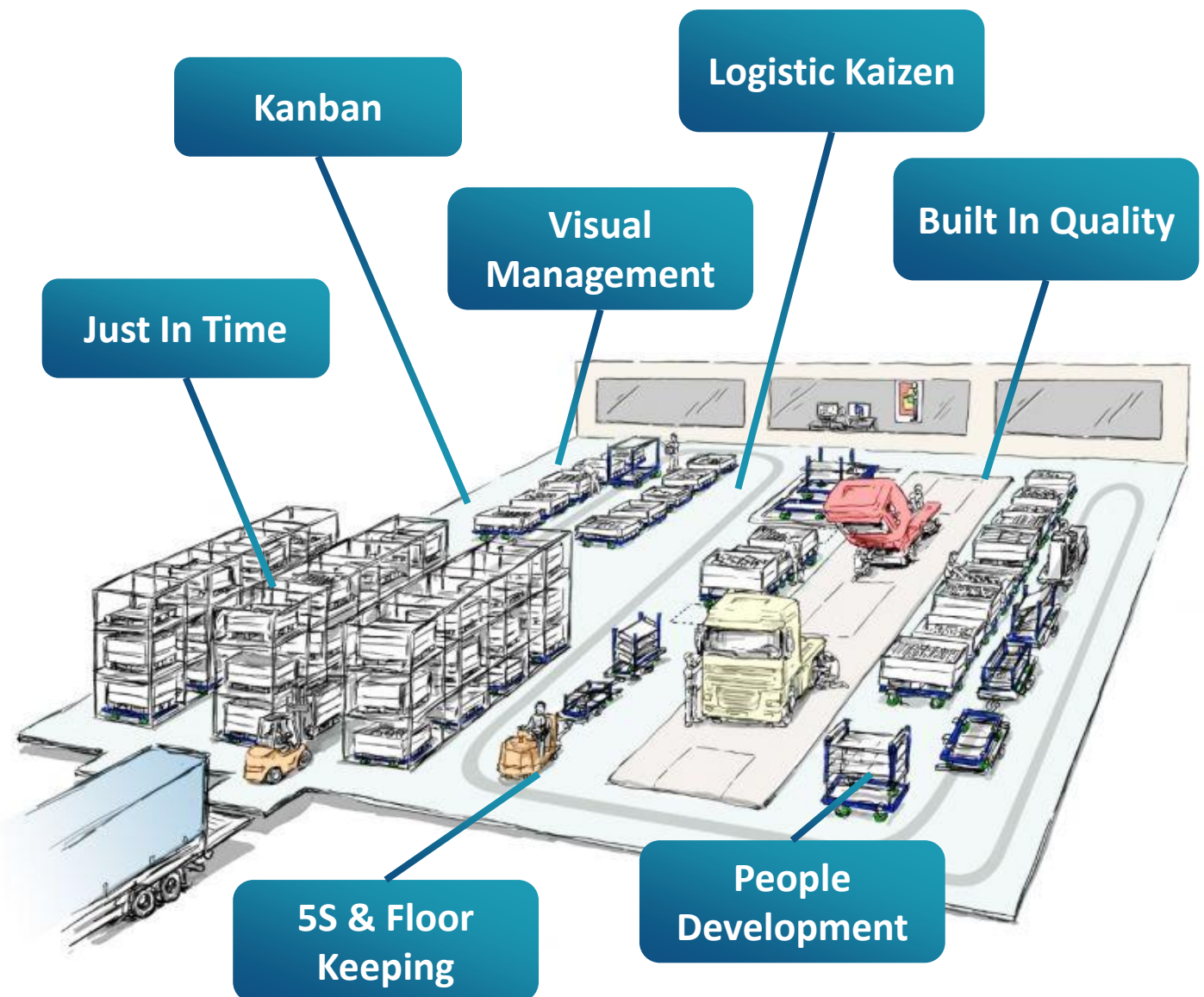
Nakashima Makamori
Former Senior Manager at
Toyota Motor Corporation

Ogiwara Mitsuhiro
37 Years Senior Management
Experience at Toyota Motor
Corporation



Toshio Horikiri
Chairman of Toyota
Engineering Corporation

Comprehensive guidance on setting up a TPS manufacturing process



Latest Insights with Refined, Clear Illustrations

③ Kanban management

◆ Planning of Kanban

Decide Kanban Cycle

A: Cycle date

B: The number of delivery cycle per day

C: Conveyance interval

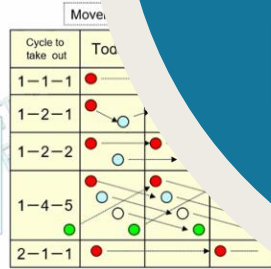
(Ex.)

A - B - C

1 - 4 - 5

• Cycle of one day

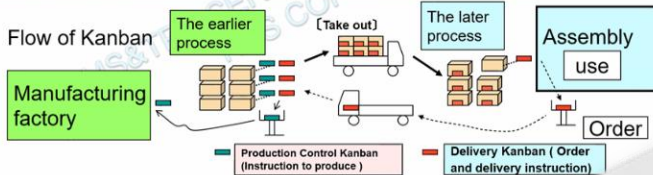
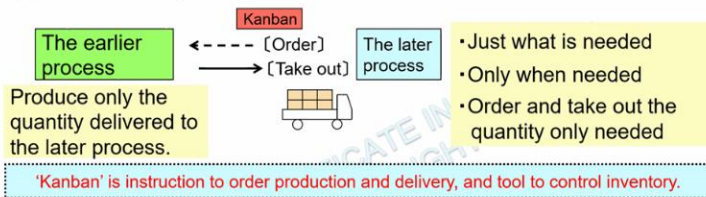
• 4 times delivery per day



• More frequent delivery

3. Kanban System

Textbook : 56 page



<Reference>

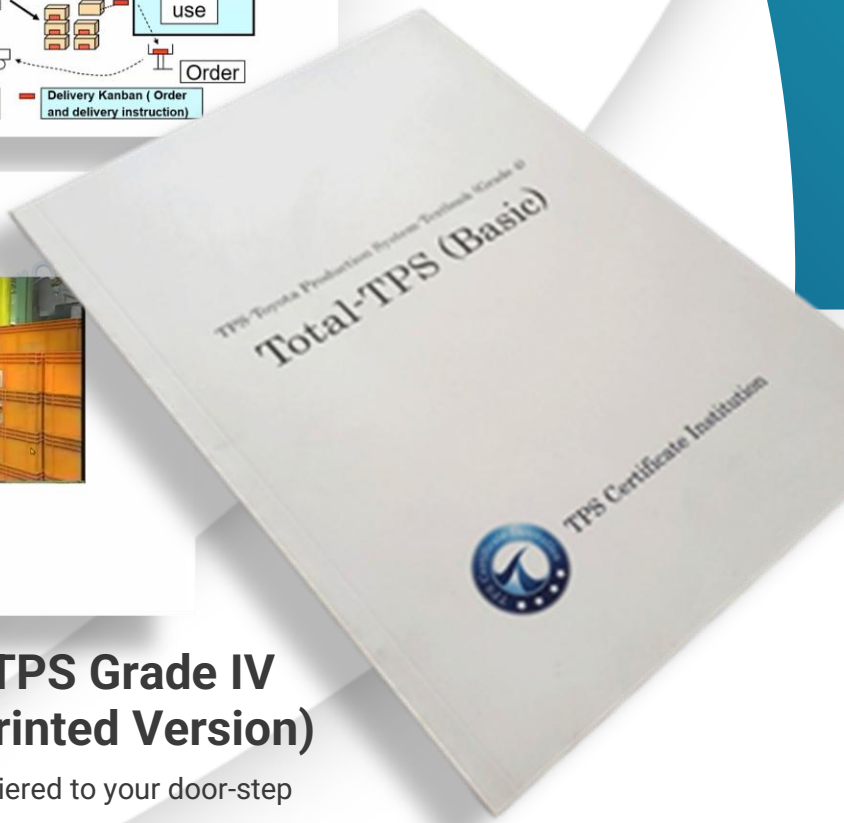
Kanban (Ex.) : Purchase parts

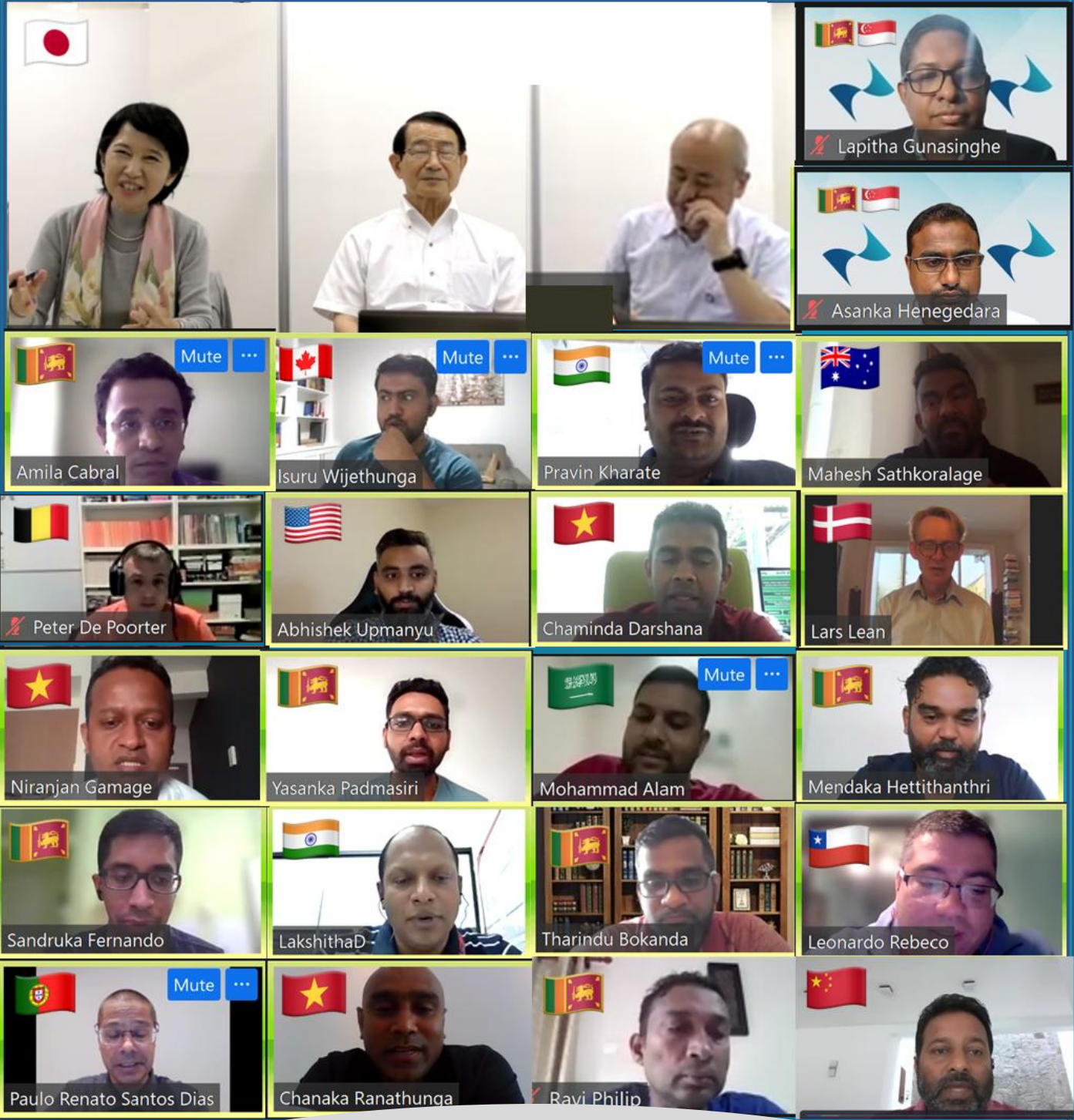


Kanban

Total TPS Grade IV Book (Printed Version)

Will be couriered to your door-step





**Learn, discuss & get
the right answers from
the Gurus**

SAMPLE

認定番号
Registration number
2021/016
認定日
Registration date
2021/01/16
認定有効期日
Test date

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TMS&TPS Certificate Institution
JAPAN

TPS 検定 4 級認定書

TPS(Toyota Production System) Certificate for grade 4

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殿

貴方は TPS 検定において評価基準を満たしましたので頭書の資格を有する者として認定いたします

You have successfully completed the TPS Certification for grade 4 assessment

TPS grade4

- 1.TPS Fundamental knowledge
- 2.Process Improvement / Process Kaizen
- 3.Logistics Improvement / Logistics Kaizen
- 4.Quality Improvement / Quality Kaizen



Authorized by **Toshio Horikiri**
TMS&TPS Certificate Institution
5-45-1 Nagascho Showaka Nagoya Aichi Japan

Earn a
Globally
Recognized
Certificate

TPS Grade IV

The Certificate is issued by
TMS TPS Certification
Institute (Certification body
of Toyota Engineering
Corporation) Japan

Success Stories Shared by Previous Batch



Pathum Edirisinghe • 1st
SPAR Sri Lanka | Swim Fit Sri Lanka | SwimGymWorkSL "To be i...
1w • 🌐

I am excited to announce that I have officially become a Certified TPS Grade IV Practitioner from the TMS & TPS Certification Institute of Toyota Engineering Corporation, Japan. I am grateful for the opportunity provided by [Lapitha Gunasinghe](#) & [Center for Lean Excellence](#). Looking forward to applying this knowledge to enhance productivity and efficiency across all business I'm part of.

Thank you [Sheikh Farouk Sheikh Mohamed](#) for your inspiration to invest in myself 🙏
Be yourself - but with skills & invest in yourself)



Ubaid Ahmad (He/Him) • 2nd
IL&S Lead (Continuous Improvement Manager) @ Mondelez I...
1w • 🌐

👉 Never stop learning ! whether through formal education or informal experiences—it will make you more confident and capable.

👉 With this believe, I've successfully completed the Toyota Way Management System Certificate Grade-4 (TDS+TPS+TSS) from the TMS & TPS Certificate Institute of Toyota Engineering Corporation.

👉 This esteemed certification marks a significant step in my journey towards excellence in Lean Management & Business Transformation.

👉 The program provided a thorough understanding of the principles and practices that have made Toyota a global leader in operational excellence, particularly in workplace revitalization actions, lean thinking, and continuous improvement. It's an honor to be acknowledged by the institution that pioneered these methodologies.

👉 I am immensely grateful for the support and knowledge shared by my fellow participants and the incredible faculty member, Ogiwara Mitsuhiro -san. This experience would not have been as enriching without them.

👉 With this certification, I am now even more prepared to drive operational excellence, eliminate waste, and enhance value for my organization. I'm excited to apply these insights to create positive change and achieve outstanding results.



Subash Weerakkodi • 2nd
Assoc. Project Manager @ Ansell | Transformational Project Le...
1w • 🌐

Excited to announce that I've achieved Grade 4 certification in the Toyota Production System (#TPS) from #TMS and #TPS Certification Institution! 🎉

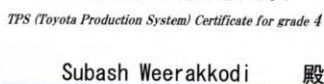
The Toyota Production System is renowned worldwide for its innovative approach to manufacturing, focusing on efficiency, quality, and continuous improvement. It's not just a set of tools; it's a philosophy that empowers teams to relentlessly pursue excellence in every aspect of their work.

Through this certification, I've deepened my understanding of #TPS principles such as Just-in-Time production, #Jidoka (automation with a human touch), and Kaizen (#continuous_improvement). Implementing these methodologies doesn't just enhance productivity; it fosters a culture of #collaboration, #problem_solving, and employee engagement.

Excited to leverage this expertise to drive meaningful change and deliver exceptional results in every project I undertake. Let's connect to explore how TPS can transform your organization!

Special thanks [Center for Lean Excellence](#) for the excellent guidance through this journey.

#ToyotaProductionSystem #ContinuousImprovement
#LeanManufacturing #CertificationAchieved #DrivingExcellence
#TPS #kaizen



Cristian Goyzueta • 1st
TPS | Lean | Mejora Continua | Hoshin Kanri | Nestlé
1w • Edited • 🌐

I feel very honored and grateful to have been able to complete a program that I have long wanted to carry out for more than 3 years.

The 11 pm Friday classes until the wee hours of the morning were worth it. And it's just the beginning.

Taking a program, and in fact, starting a long path of learning taught directly by the best place to learn about true Lean or TPS, besides of course, working directly there, which is the Toyota Engineering Corporation thanks to the [Center for Lean Excellence](#) is very special and I recommend that you take it to avoid falling into the unfortunate broken phone and the enormous misunderstandings and confusions that exist globally regarding Lean, TPS, and basic and essential concepts such as Kaizen, Genba or respect for people through workplace revitalization, which I keep seeing here day after day.

Toyota like any other company is not perfect and the TPS will keep evolving and getting better and better.

And last but not least, practice what you learn and enjoy discovering which are the best options for you and your company.



Cristian Goyzueta.pdf
1 página • 567 kB • PDF

Dear Participant,
Congratulations on your achievement. You are officially a Certified TPS Grade IV Practitioner from the TMS & TPS Certification Institute of Toyota Engineering Corporation, Japan.

The digital copy of your certificate is attached, and we will ship the original to you as soon as we receive it from Japan.



Yasser Megawer • 2nd
TPS | LSSGB | TPM | Operation Excellence
1w • Edited • 🌐

I am thrilled to share that I have certified TPS (Toyota Production system) Grade IV from the creators of TPS / Lean Management in Toyota Engineering Corporation Japan. It's been a valued journey full of TPS Program especially when you learn from instructor a former Senior Practice at Toyota Motor Corporation, you will get more practice about Logistic and Quality aizen, 5S, Process improvement... and more always have full passion with Lean Learning and Kaizen events, 5S projects. Special thanks to [Center for Lean Excellence](#) and [Lapitha Gunasinghe](#) for your effort and for such that great program.

PS • 1 page



Program Content **TPS Grade IV**

1. Overview of TPS certificate Institute
2. History of Toyota Motor Corporation
3. Origin of Toyota Production System (TPS)
 - a. Spirit of the founders
 - b. Start of TPS
 - c. Features of TPS
4. Total- TPS (Current TPS)
 - a. Total TPS?
 - b. The expansion of TPS to Total TPS
 - c. Revolution of Total TPS
 - d. Two pillars of TPS
 - i. Just in Time
 - ii. Jidoka (Automation)
5. Implantation of Total TPS
 - a. Revitalizing work place
 - i. QC circle activity
 - ii. Multiskilled development (job rotation)
 - iii. Creative idea suggestion system
 - iv. Safety and health in workplace
 - v. Equipment maintenance
 - vi. Product quality
 - vii. Production division council
 - viii. Roles of supervisors
 - ix. Human resources development
 - x. Enhancement of welfare facility
 - b. Participation and improvement of workplace
 - i. 5S (4S and 1S) in workplace
 - ii. Visual control in the workplace
 1. Performance analysis board
 2. Phase maker
 3. Andon
 4. Quality control board
 5. Line with fix position stopping system
 6. Stop control

- iii. Preparation of operation standards
 1. Standardized production capacity sheet
 2. Work instruction sheet
 3. Work sequence sheet
 4. Standardized worksheet
 5. Standardized work combination table
 6. Yamazumi chart
 7. Quality check standards
- c. Operation Kaizen
 - i. Establishment of standardized work
 1. Three prerequisites of standardized work
 2. Three factors of standardized work
 3. Observance of standardized work
 - ii. Elimination of MUDA
 1. The actual conditions of Gemba
 2. Seven MUDA
 3. How to identify MUDA
 - iii. Reallocation of work
 - iv. Productivity (Work efficiency)
 1. Efficiency and productivity
 2. Operating rate and operational activity
 3. True efficiency and apparent efficiently
 4. Flexible man power line than man power saving
 - v. Actual kaizen in process (lead-time reduction)
 1. Point of observation in kaizen in process
 2. Leadtime reduction
 3. Kaizen in production system
 4. Kaizen in production system (floor and layout)
 5. How to conduct kaizen
- d. Logistic Kaizen

Program Content TPS Grade IV

i. Part receiving

1. Frequent conveyers
2. Mixed load conveyers (milk run)

3. Sequential part withdrawal (Junbiki)

4. Part withdrawal based on body production start

ii. Material handling in plant

1. Sequential part loading (Jundate)
2. Grouping delivery
3. On call Andon system
4. Grouping small parts
5. Container less floor (Minomi)
6. Fixed course pickup system

iii. Kanban system

1. Type of Kanban
2. Rules of Kanban adaption
3. Kanban management
4. Collection of Kanban

e. Equipment Kaizen

i. 5S of equipment

ii. Equipment maintenance

1. Autonomous maintenance by production department
2. Specialized maintenance by maintenance department

iii. Reduction of equipment set up time

f. Quality Kaizen

i. Quality built in process

1. Base of quality assurance
2. Do not flow or produce defective parts

ii. Development of quality assurance mechanism

1. Maintenance of operational standards
2. Ensure process capacity of equipment
3. Poke-yoke
4. Visualization of quality check results
5. Change point management
6. Process audit, product audit
7. Quality information corner
8. Quality meeting

iii. QC network

iv. Quality assurance in process

v. Quality assurance in purchasing parts

g. Advanced Kaizen (New Product Introduction)

i. SE (Simultaneous Engineering Activity)

ii. Production Preparation activity

iii. Manufacturing preparation

iv. Quality assurance in preparation activity

v. Promotion of advanced kaizen by Oobeya system

6. Evaluation of company strength and TMS

About Facilitator



**Center for
Lean Excellence**

**One-Stop Training & Consulting Provider for Lean Change
Management & Process Innovation related solutions.**



**ISO 18404: 2015
Certified Company**



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**Corporate Partner, Member of Toyota
Engineering Corporation (JAPAN)**



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