



Workshop: Muda, Mura and Muri

Muda, Mura and Muri

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The aim of the workshop is for participants to gain an in-depth understanding of the elements influencing **FLOW**, their interaction, why they are sometimes not appreciated, and how they form the basis for a Lean schedule.

We invite you to attend our Muda, Mura and Muri workshop, where you will have the opportunity to explore, in depth, the elements of Kingman's equation – that has been called 'The Equation of Lean' - arrival variation, process variation, demand types, load, capacity, and process time

The workshop is for both manufacturing and service managers.

The workshop content

- Play the Muda Muri Mura dice simulation
- Kingman's Equation and Muda Muri Mura
- The elements of Kingman Equation examined:
 - Arrival variation
 - Process variation
 - Load
 - Capacity
- Managing demand: necessary, consequential, and unnecessary demands
 - 8 Types of demand
 - Demand waste, capacity waste, process waste
- Variation: arrival and process
 - What variation are YOU causing?
- Utilization and Variation together: the tradeoffs: time, capacity, variation
- Kingman's Equation and
 - Six Sigma
 - Scheduling
 - Theory of Constraints
 - TPM
 - Implications for Accounting, Sales and Marketing, HR

Learning Objective

Delegates will leave with an in-depth understanding of why Toyota gives attention to all three of Muri, Mura, Muda (generally in that order). And you will be able to play a dice game that is an 'a ha!' for Lean professionals, Six Sigma, TPM, Sales and Marketing, and Accounting.

When

Friday 16th November 2018

14.00 – 14.30 reception and registration

14.30 – 17.30 workshop

Location

The workshop will be held at Vila Galé Hotel, Braga, Portugal.

See <https://www.vilagale.com/en/hotels/porto-and-north/vila-gale-collection-braga>

Costs

Costs for participation in the workshop are €150 per person.

Please note: Although this is primarily a workshop for Lean trainers, it will also be useful to managers who seek an in-depth understanding of the relative influence of variables (other than people) that lead to Lean success or failure.