

## LEARN Programme Pioneer Batch

## “Engineer Your Smart Factory Blueprint” Workshop

The LEARN Workshop on “Engineer Your Smart Factory Blueprint” is part of the TUM Asia LEARN Programme targeted to guide companies in their digital transformation strategies and implement change.

During the workshop, participants will generate actionable problem statements through design thinking methodology leading to a solution blueprint that transforms their existing factory into a smart factory. Participants will also be introduced to TÜV SÜD solution taxonomy and Fraunhofer digital media technology.

### DATES

28 - 30 August 2019  
25 - 27 September 2019

### TIME

9:00AM to 6:00PM

### VENUE

TUM Asia Campus  
510 Dover Road  
SIT@SP Building, Level 5  
Singapore 139660

### FEES

\$3,000 per company

### WHO SHOULD ATTEND

- For manufacturing (i.e. automation, electrical/electronic, food, medical technology), machinery and systems, precision engineering and logistics sectors

#### Recommended team size and composition:

- 1 x Senior Management
- 1 x Operations
- 1 x Supply Chain
- 1 x Engineering
- 1 x Human Resource

### REGISTRATION

For more information about the LEARN Programme, please visit:

<https://tum-asia.edu.sg/learn/>  
or email [exd@tum-asia.edu.sg](mailto:exd@tum-asia.edu.sg)

### WORKSHOP OBJECTIVES

- Understand and apply SIRI and the PM
- Understand core principles, frameworks and methodologies of Industry 4.0
- Determine the aspirational state of the company guided by its business objectives
- Generate actionable problem statements in Industry 4.0 focus areas
- Introduction to TÜV SÜD solution taxonomy and Fraunhofer digital media technology



#### LEARN, UNLEARN & RELEARN

Learn to identify company's maturity level and readiness based on SIRI and PM using proven methodologies



#### EVALUATE

Evaluate existing process, technology, and organisation



#### ACT

Act on refining problem statements using design thinking principles



#### REVIEW

Review the current state of the company and frame problem statements with targeted Industry 4.0 focus areas



#### NAVIGATE

Identify the right technology use cases based on business priorities, size of impact, and organizational readiness

### WORKSHOP TRAINER



#### Frank Reppel

Managing Partner and Founder of Reppel & Partners Pte Ltd

Living in Singapore since 1997, Frank is leading digitalisation efforts, including business intelligence and Industry 4.0 projects, and has helped TÜV SÜD's Center of Excellence here in Singapore incubate its Industry 4.0 consulting practice. In that role, Frank was one of the very first accredited SSIRI workshop assessors and is a Singapore Certified Management Consultant.