

## Industry 4.0: From Roadmap to Realization 企业工业 4.0 : 从实施蓝图到全面实施

### 目标与内容 Objectives and Content

Lean Production is a systematical approach that maintains competitiveness for the company, thus to realize sustainable business. The toolbox of Lean Production will be extended by technologies enabled by Industry 4.0 trends. In order to support companies during the conceptual design phase for cyber-physical production systems, this training aims to combine lean methodologies with digital solutions. In this course, participants will be inspired by state-of-the-art methodologies to manage their value stream aligned with latest software innovations.

精益生产是企业保持竞争力，从而实现可持续发展的系统化管理方法。在工业 4.0 新趋势下精益工具也得到了相应扩展。为了帮助企业完成对信息物理系统的构建，此培训将精益方法论与数字化解决方案有机结合，学员将在理论知识以学习最先进的车间软件解决方案如何实现对价值流的支持。

### 参加对象 Target Group

This training is developed for managers and engineers in different fields of production management, especially for middle and high-level management.

本次培训面向生产管理领域的各个层次的管理者和工程师，尤其是公司的高级别管理人员。

### 大纲 Outline

#### 日期 Schedule

2020.03.20/  
2020.07.24/  
2020.10.23

#### 价格 Price

RMB 2000

Fee includes lectures, course materials and lunch.

包括会务，资料费，午餐费。

#### 语言 Language

Chinese

- Introduction of lean production
- Industry 4.0 demonstration
  - a) Application fields of Industry 4.0
  - b) Development of Industry 4.0
  - c) Industry 4.0 use cases
  - d) Technology scope
  - e) Production science and management
- Modern information flow management
- Lean production enabled by Industry 4.0
  - Digital Shopfloor Management
  - Smart material replenishment concept
  - Achieving 0-defect by advanced quality systems
  - Work organization development
  - Experience Industry 4.0 assemblyline
- Approach to realize Industry 4.0
  - Industry 4.0 company assessment
  - Roadmap to realize Industry 4.0
  - Cost-benefit analysis
- 精益生产介绍
- “工业 4.0”展示
  - a) 应用范畴
  - b) “工业 4.0”的发展
  - c) “工业 4.0”应用案例
  - d) 设备技术要求
  - e) 生产科学及管理模式
- 现代化信息流管理
- 工业 4.0 下的精益生产
  - 数字化车间管理
  - 智能物料配送方案
  - 0 缺陷质量管理体系
  - 工作组织发展
  - 体验工业 4.0 智能装配性
- 工业 4.0 实施方案
  - 工业 4.0 工厂评估
  - 实现工业 4.0 之路
  - 成本收益分析

#### 地点 Venue:

**Seer Doer Partner: Industry 4.0 Demonstration and Innovation Center, Suzhou**  
遵成合作伙伴: 苏州中德工业 4.0 技术展示创新中心



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