

October 31- November 2, 2011 | CII Innovation Center, Shanghai

Innovation Project Management

KEY TAKE-AWAYS

- Systematic methodologies for innovation project management.
- Customer Needs Identification and Benchmarking
- Aligning Product Development with Business Strategy
- Program Specification Development
- Concept Generation
- Product Development Risk Analysis/Risk Management
- Cross Functional Teambuilding and Conflict Resolution
- Product Verification and Validation
- Managing project stakeholders
- Project Scheduling Skills
- *Participants will earn PDUs for PMP*

TRAINER

Ray Sheen

World Recognized Project Management Guru

A veteran business leader with over 25 years of executive, engineering management, and project management experience. He spent 10 years with the US Air Force, and 9 years with General Electric.



The Trainer **Ray Sheen**



Ray Sheen, PMP, is president and founder of Product & Process Innovation, Inc. He is a veteran business leader with over 25 years of executive, engineering management, and project management experience. He is a certified Project Management Professional (PMP), a member of the Project Management Institute, the Product Development Management Association, and the Institute of Management Consultants.

Ray spent 10 years in the Air Force, and finished his Air Force experience as the Executive Officer for the Ballistic Missile Office, a 1,000-person organization responsible for all Air Force ballistic missile design, development, and production with a multi-billion dollar annual budget.

Ray spent 9 years with General Electric, implementing Best Practices and Continuous Improvement at 9 of GE's businesses, serving as Program Manager at GE's Crotonville training center, and playing a major role in formulating and implementing GE's New Product Introduction initiative, including leading several product development projects.

As founder and president of the consulting firm Product & Process Innovation, Ray has worked with many corporations to review and improve their business strategy, engineering, manufacturing, and project management processes with emphasis in the area of product development. His recent consulting clients include Johnson & Johnson, Medtronic, Instrumentation Laboratories, Kaman Aerospace, Dominion Power, Varian, General Electric, and Harvard Clinical Research Institute.

Course Description

New product development process can be a competitive advantage or disadvantage. Product development is not an isolated event but rather is a process that evolves from customer needs identification through ideation, specification development, detailed design, product and process verification before finally reaching product introduction. Throughout the process, management techniques such as scope management, schedule acceleration, risk identification, resource alignment must be appropriately used. In addition, organizational and project complexity and uncertainty can complicate the process.

In this practical three-day program you will learn the elements of a world-class new product development process. The program is based upon the proven practices of the Project Management Institute and on the research conducted over the past twenty years by Cooper and Edgett. The course will provide an overview of the critical tools and techniques needed by the new product development team. The course also addresses teambuilding between the design team and manufacturing, sales, and customer support. Critical project control points for new product development projects will be identified at each phase of the product development process.

Who Should Attend

Project manager/director/VP
Engineering manager/director/VP
Research & Development manager/director/VP
Strategic/Corporate Planning manager/director
Marketing manager/director/VP
Chief Innovation Officer
Division/Department Heads
Chief Financial Officer
CEO, President, General Manager



Agenda

Day 1 Basics for Innovation Project Management

Morning

09:00 Welcome and Introductions
09:15 Context of Project Management
09:45 Product Development Project Management Approaches
10:15 Tailoring Your Project Management Methodology for Your Organization

10:45 (Break)

11:00 Tailoring Your Project Management Methodology for Your Project
12:00 Project Management Information System
12:30 Lunch

Afternoon

13:30 Product Development Best Practices
13:45 Customer focused”
14:00 Front-end Loaded
14:15 Spiral Development
14:30 Cross-functional Teams
14:45 Metrics & Accountability

15:00 (Break)

15:15 Portfolio Management
15:30 Stage-Gate Methodology
15:45 Ideation
16:00 Product Line Platform Projects
16:15 Product Upgrade Projects
16:30 Use of QFD in the Project Plan
16:45 Use of Pugh Concept Generation in the Project Plan
17:00 (End of Day 1)

Day 2 Project Planning and Risk Management.

Morning

09:00 Project Justification
09:15 R&D projects impact on business Financial performance
09:30 Developing a business case
09:45 Initiating processes
10:15 ROI analysis

10:45 (Break)

11:00 Survey of product planning tools
11:30 R&D project scope planning tools
12:00 R&D project estimating tools
12:30 Lunch

Afternoon

13:30 R&D project schedule planning tools
14:30 R&D project resource planning tools

15:00 (Break)

15:15 Risk management approaches
15:30 R&D project risk identification
16:00 Project risk analysis
16:30 Project risk response planning
17:00 (End of Day 2)

Day 3 People management; Metrics and control.

Morning

09:00 R&D project Leader
09:30 Core Team dynamics
10:00 R&D team conflict management
10:15 Stakeholder management
10:45 (Break)

11:00 R&D project communication management
11:30 R&D project reviews
12:00 Project dashboards
12:30 Lunch

Afternoon

13:30 R&D project scope control
13:45 R&D project schedule control
14:15 R&D project resource control
14:45 Project change management

15:15 (Break)

15:30 Product certification
15:45 Pilot runs & Beta tests
16:00 Process capability
16:15 Process control
16:30 Product Launch
17:00 (End of Day 3)



China Institute for Innovation(CII)

China Institute for Innovation is a consulting and academic organization established specifically to help Chinese companies, multinational organizations and government agencies to meet the needs for world-class expertise in innovation.

CII is a leading innovation education, training, research, and networking institute in China.

CII offers a wide variety of programs to help people at all levels and in all roles to understand and master the principles and practices of innovation, to help their organizations succeed in the innovation-driven economy.

CII Innovation Center

CII Innovation Center is a physical innovation and collaboration center. It is a platform where you come to brainstorm, to share, to learn, to collaborate, and to have fun. It is an innovation hub, and an idea factory.

The center is designed by Langdon Morris, a senior partner of Innovationilabs, and a co-founder of China Institute for Innovation.

We offer customized training programs, brainstorm sessions, collaboration events, and innovation space renting services for our clients. We leverage the collective intelligence to solve complex problems for our clients.

UPCOMING EVENTS

The 2nd ICSI Innovation Conference

May 25-26, 2011 Shanghai Jiao Tong University

Product Development Innovation

Led by Joe Zhou, June 27-28, 2011 Shanghai

Creative Thinking Tools

Led by Jack Hipple, July 25-27, 2011 Shanghai

Innovation for Chemical Industry

Led by Jack Hipple, July 28-29, 2011 Shanghai

Dominant Innovation

Led by Pro. Jay Lee, August 26, 2011 Shanghai

Flexible Product Development

Led by Preston Smith, September 26-27, 2011 Shanghai

Proactive Risk Management

Led by Preston Smith, September 28-29, 2011 Shanghai

Innovation Leadership

Led by John Canfield, October 24-25, 2011 Shanghai

