



## Raise Your Skills

- Speed up New Product Development and Introduction
- Accelerate innovation
- Leverage best practices
- Lower costs & risk

## Course Modules

1. NPI Process
2. Product Development
3. Compliance & Risk
4. Data Management
5. Supply Chain

Modules are taught in 4 hour segments. Three hours of lecture and one hour of focused, company specific, interaction with seasoned industry experts.

# New Product Introduction Onsite \*Boot Camp\*

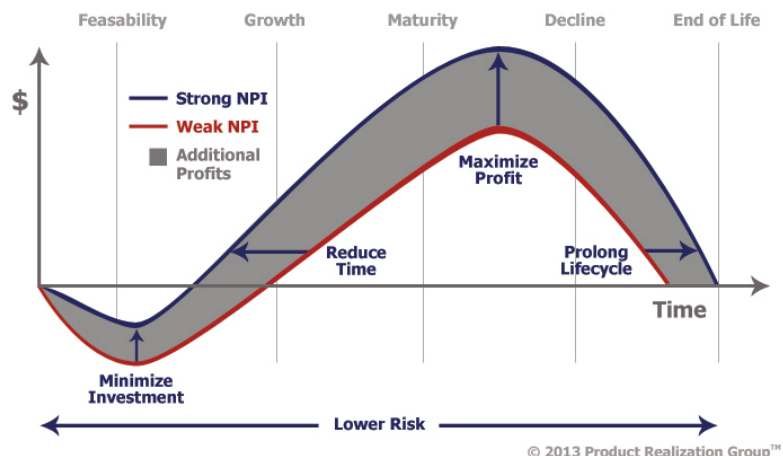
Do you need to speed up New Product Development and Introduction? Would you like to accelerate innovation and improve team based collaboration? Could you benefit from “real world” examples and industry experts? If so, then New Product Introduction – Onsite \*Boot Camp\* can help.

By taking this course, you will learn how to:

- Lower Costs and Reduce Risk
- Accelerate New Product Introduction
- Apply Design for Excellence (DFX) concepts
- Improve Data Management and Collaboration
- Comply with Standards and Regulations
- Optimize your Supply Chain

*Courses are taught by practicing industry experts, with a mix of interactive lectures, physical examples, student exercises, and case studies. Students will receive:*

- All Modules, Workbooks, and Handouts
- Certificate of Completion



## More Information:

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# Module Descriptions

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## **NPI-01: NPI Process**

In today's global marketplace, a successful New Product Introduction (NPI) process is critical for launching new products, enabling business growth, and achieving lower costs.

This module provides current NPI best practices that are used for transitioning a product from concept to volume production. Elements of the NPI plan, such as project management, phase gate process, business plan targets, engineering considerations, risk mitigation, business systems, manufacturing strategies, and Design for Excellence (DFX) will be shared. Tradeoffs between flexibility and control, communication, and a focus on minimum viable product will be explored.

## **NPI-02: Product Development**

This module covers the identification of customer requirements to the development of engineering specifications. Verification and validation principles and techniques will be explained for mechanical, electrical and software development practices.

Participants will learn how to create products efficiently while ensuring high quality and reliability. They will learn how to optimize their department while keeping on schedule and within budget. The interaction with Marketing and Manufacturing as part of the development team is demonstrated as criteria to make the project successful.

## **NPI-03: Compliance and Risk Management**

Product realization is achieved through a set of interrelated processes including product development, supply chain management, production, and quality control. For a company to excel at product realization, these processes need to be well designed, monitored and improved until the desired level of performance is reached. To promote appropriate development and management of these processes, international quality system standards have been developed such as ISO 9001. In addition, the product realization process must comply with regional and local regulations such as those for product and work place safety, environment protection, control of information, and truth in advertising to just mention a few.

In this training module, the participants will learn about the purpose of regulations and standards, risk mitigation, and become familiar with the quality system standards and some of the regulations that their companies must comply with.

## **NPI-04: Data Management / Systems**

Ongoing reduction of the product life cycle combined with increased globalization has increased the pressure on an already strained product definition and control process. This module starts with structure and control of product data, moves into data management applications and processes, and finishes with collaboration tools and practices.

Participants will gain an overview of current processes, tools, and solutions available for organizations to better manage their business data, and how collaboration techniques may be implemented to develop and manage outsourced relationships. Benchmarking will be applied in a variety of real world situations to better understand the impact of data and configuration management on the organization.

## **NPI-05: Supply Chain Management**

This course presents and demonstrates best practices involving the exchange of product information, control of material in the supply chain, creation of collaborative supplier partnerships and implementation of strategies to reduce cost in the distribution channel to improve customer support and documentation management. Globalization of the Supply Chain combined with constantly evolving regulations related to quality, environmental and consumer protection, traceability and harmonization of standards have dramatically increased the need and speed required to effectively organize and convey product data that is current, accurate, complete and secure.

In this course you will receive hands-on exposure to latest e-Business tools available in Product Life Cycle Management (PLM) and Collaborative Visualization. Exercises will be used to help class participants demonstrate knowledge and ability to apply the learned concepts, strategies and methods.