

Process Improvement Initiative Integration - PI³



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What is PI³ ?

An Integrated framework for planning and implementing key initiatives:

- **Baldrige** - Structured framework for enhanced enterprise performance
- **Prog Management Best Practices (PMBP)** - Practices by which all S&C programs are managed
- **Lean** - Waste reduction and value creation opportunities and techniques
- **Boeing Quality Mgmt System (BQMS)** - Process performance and improvement standards, ISO and AS9100
- **CMMI** - Framework for defining product development processes
- **6-Sigma** - Methods for focused improvement

PI³ will reduce cost and footprint of these separate initiatives

PI³ Operates Across The Whole Business System

- Each other initiative has intrinsic value
- Initiatives are related and overlap, but differ greatly in approach
- None should be the end, all are a means to improved **Business Results**



BOEING QUALITY
BQMS
MANAGEMENT SYSTEM

PMBP

Program Management
Best Practices



six sigma
Customer Solutions

CMMISM

Model Integration

Lean
Lean Enterprise

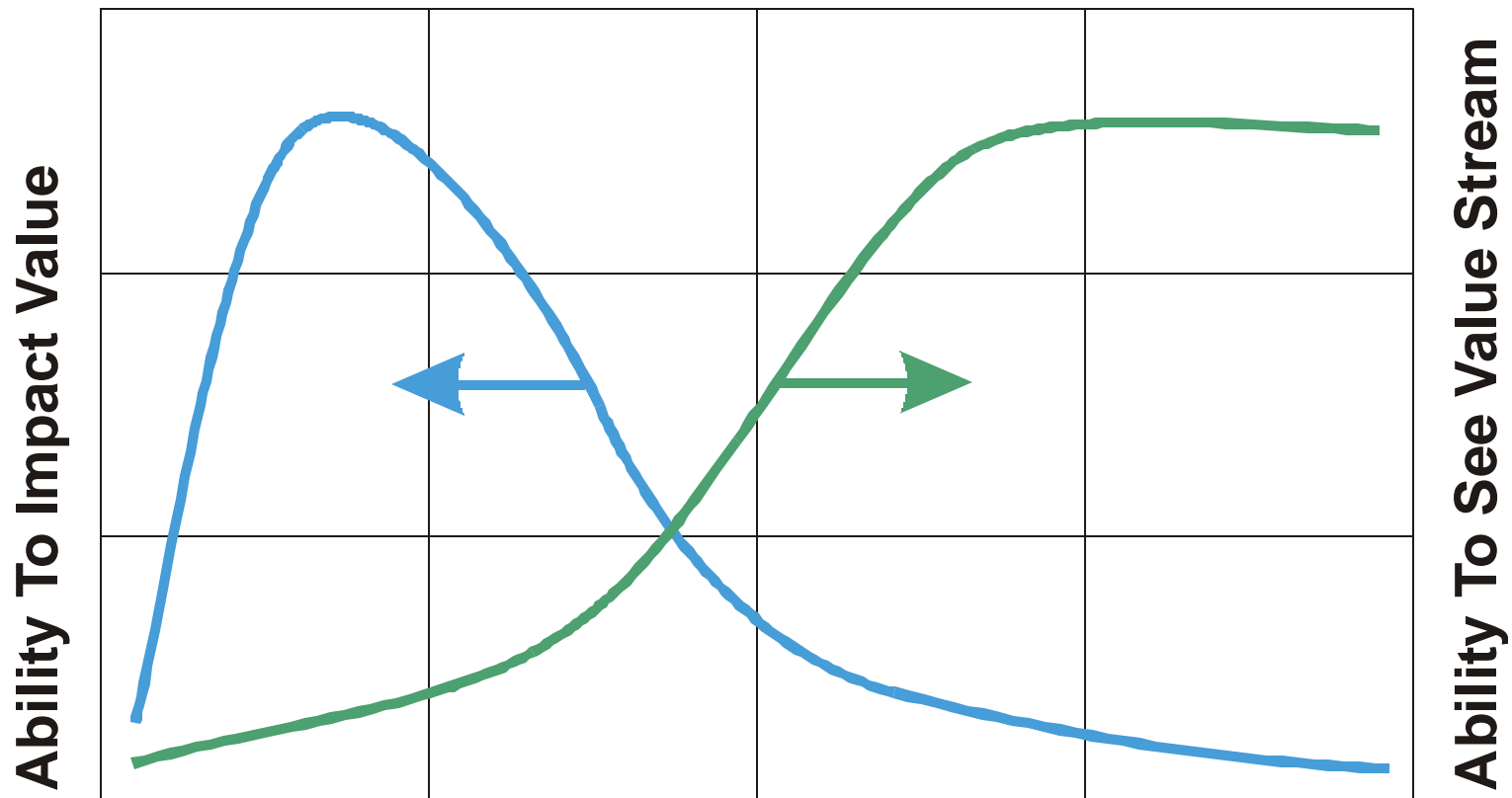
Why Is Integration of Initiatives Important?

- Provide a sustainable environment for organizational process improvement
- Leverage information and resources across the enterprise
- Our customers demand it!

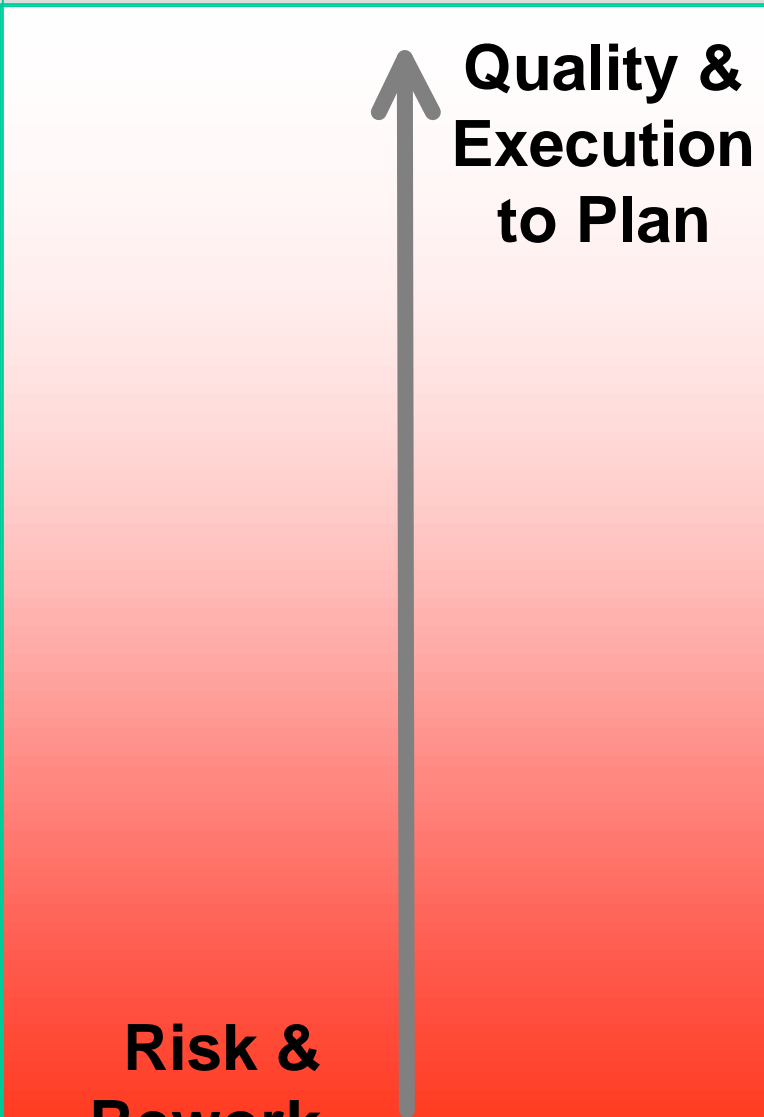
Efficiently and effectively achieve benefits of separate Initiatives

Of Its Up-Front Process Focus

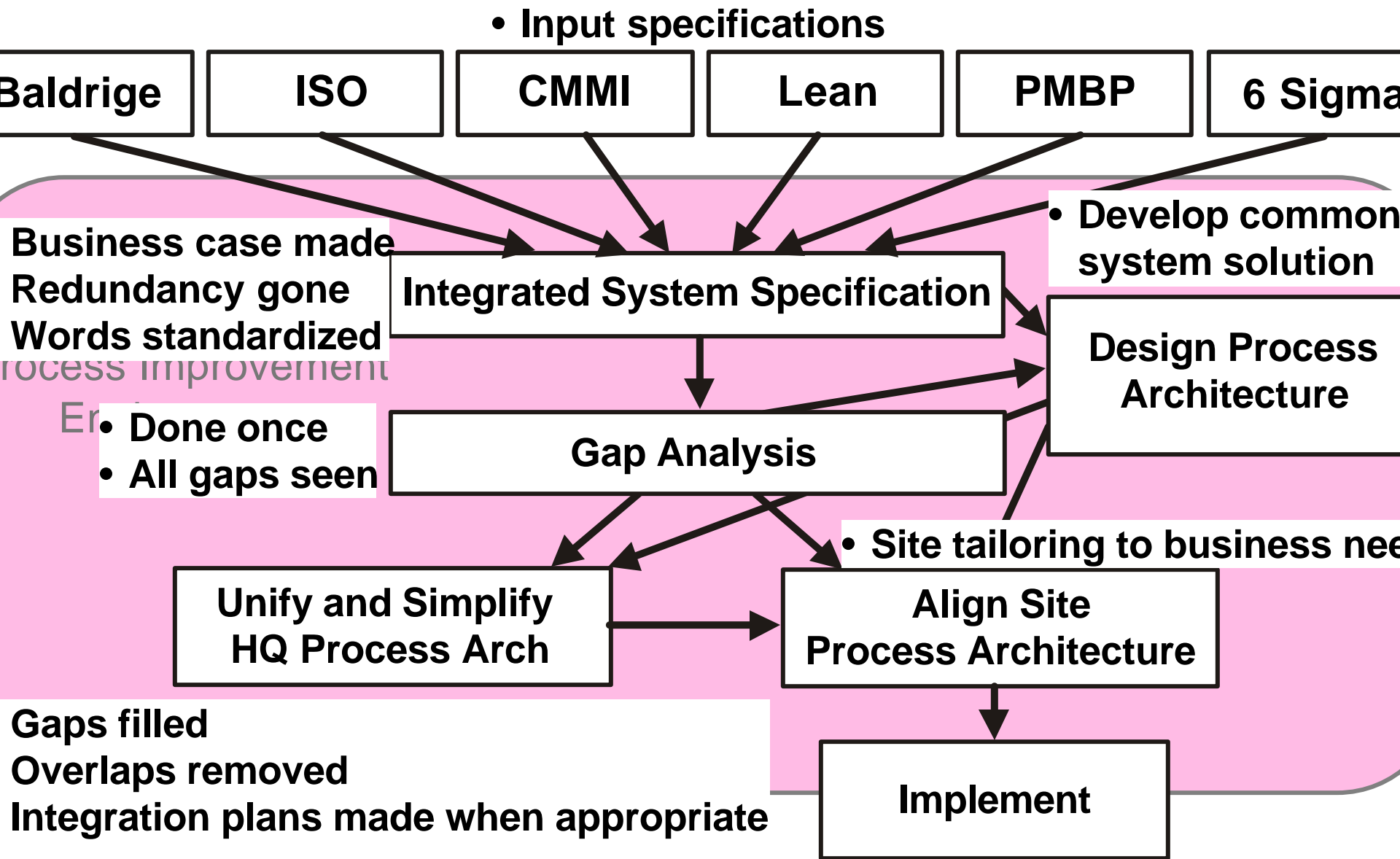
- **CMMI addresses part of the business that has received little attention by other Demming-like activities**
- **Value to customer is largely determined up-front**



Focus Compatibility Between Lean and CMMI

	Maturity Level	Focus	
Lean	5 Optimizing	Continuous Process Improvement	 <p>Quality & Execution to Plan</p> <p>Risk & Rework</p>
	4 Quantitatively Managed	Quantitative Management	
CMMI Foundation	3 Defined	Process Standardization	
	2 Managed	Basic Project Management	
	1 Performed	Initialization	

Integration

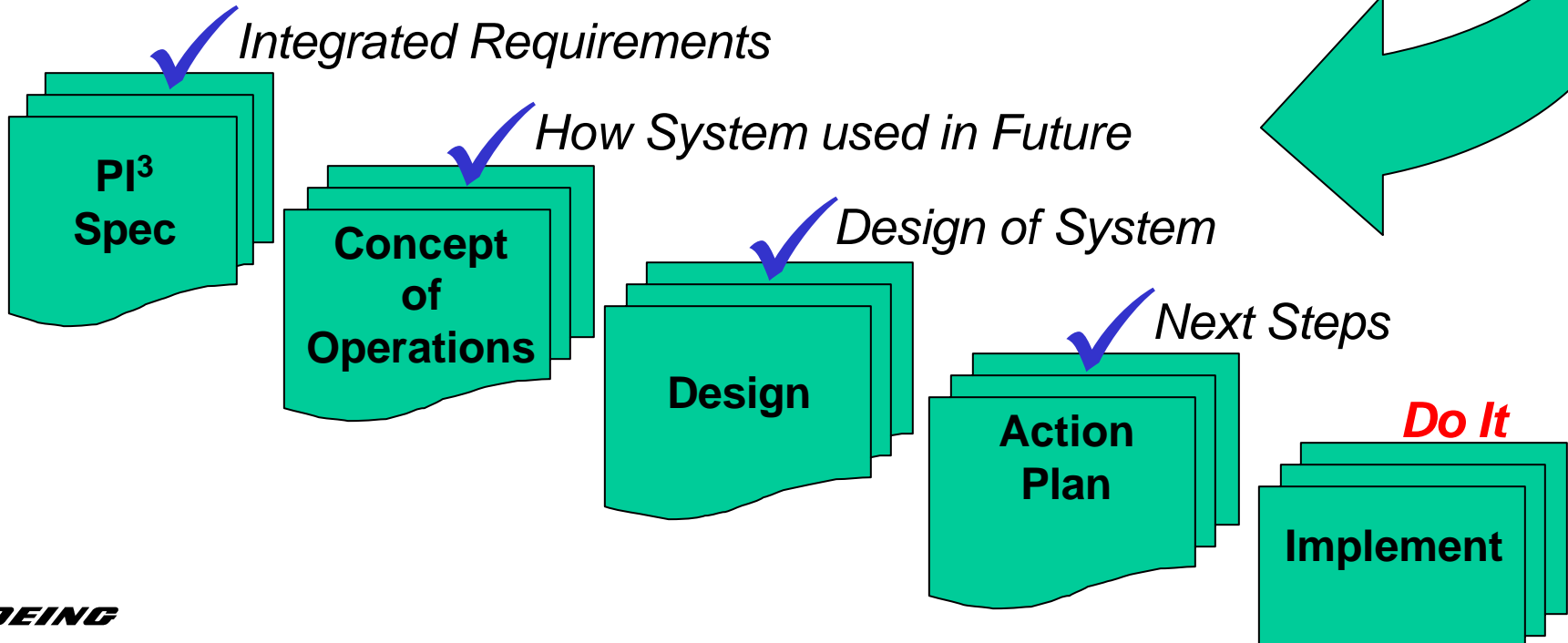


Address The Whole Process System

- **Focus effort on rapid implementation**

- Integrate Initiatives
- Streamline Assessments
- Maximize Inter-Site Collaboration
- Leverage Selected Pilots
- Develop a Common Process Architecture
- Empower teams to innovate

Systematic Approach



Thank You