

Site Services Regional Services CM

Driving LEAN into Construction at Boeing

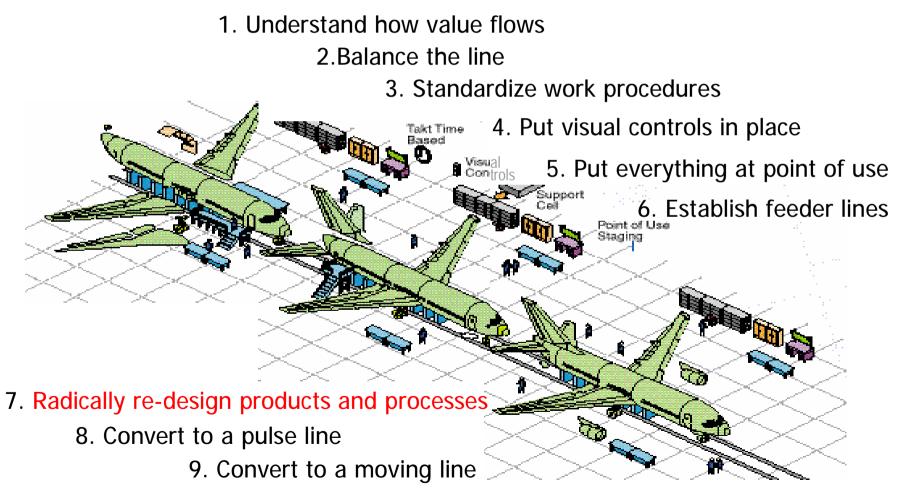
Report out to NWCCC March 28, 2009

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The Nine Tactics

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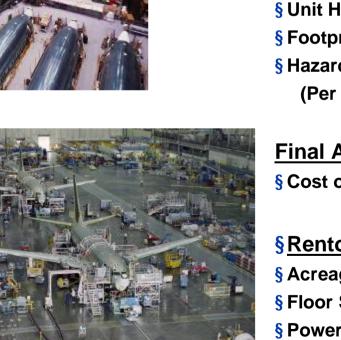


737 Programs 737 BPS Implementation Strategy

- Implementation Benefits -

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§Final Assembly

§ Factory Flow Time Reduction	50%
§ Inventory Reduction	
Stores Inventory	73%
Work in Process Inventory	55%
§ Unit Hours Reduction	40%
§ Footprint (ft) Reduction	21%
§ Hazardous Waste Reduction	31%
(Per Airplane (1999-2003))	

Final Assembly and Suppliers	
Sost of Quality Reduction	61%
<u>Renton Site</u>	
Acreage Reduction (366 to 278)	41%
	440/

 § Floor Space Reduction (7.0M to 4.1M)
 41%

 § Power Reduction (1999-2003)
 52%

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Waste – Our Definition

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§ Waste is...

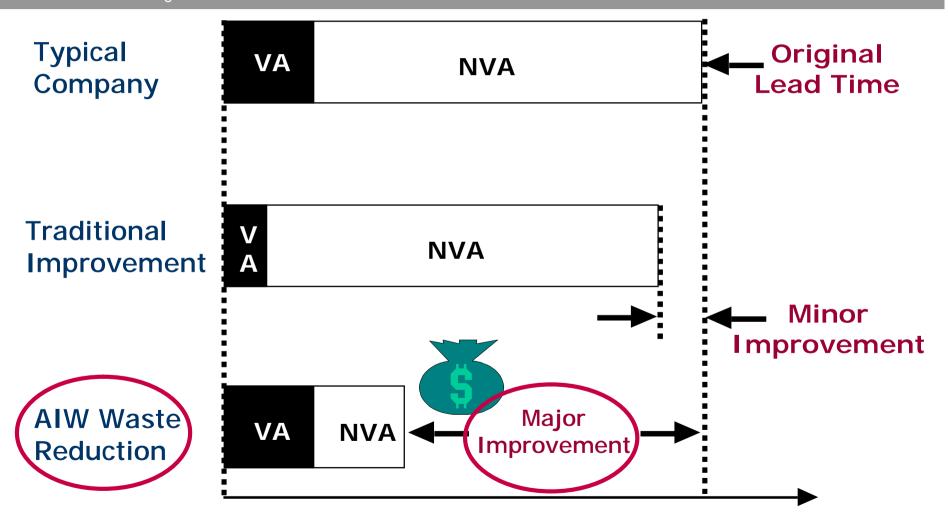
§ Any action, process or product that adds cost, without adding value as perceived by our customer

§ Value-Added

- § Changes fit, form and function of product
- § Product transformation has value to customer (customer would be willing to pay for it)

Changing our perspective...

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Construction LEAN Activities

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§ 2006 Focus

- **§** LEAN Education
- § Employee Involvement
- **§** LEAN Certifications
- § 2007 Focus
 - § Standards
 - § Project Management
 - § Requirements
 - § LEAN +



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- § Construction Project Process
- § Design Standards
- **§** Drafting Standards
- § Parts Standards
- § Contract Language
- **§** Computing Standards