Honeywell Operating System

Pasquale Abruzzese

Honeyven

VP Transportation Systems Integrated Supply Chain Mike Owens

GARRE

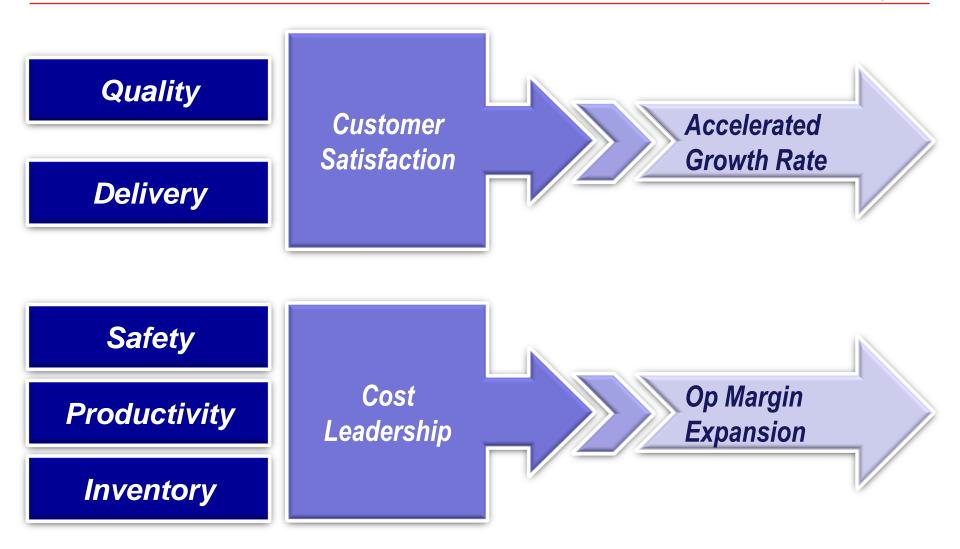
VP Aerospace Integrated Supply Chain

Honeywell

onvell

Driving Growth With HOS

Honeywell



HOS Maturity Drives Top And Bottom Line Results

Honeywell Operating System

HOS: A Shift In Mindset

From	То
 Top Down Plant Leadership 	 Leaders Acting as Coach
 Project Based Improvements 	Continuous Improvements
 Operators as Doers 	 Operators as Doers and Thinkers
 Unrealized Improvement Ideas 	 Rapid Problem Solving Culture

People Working Smarter Not Harder

Driving Continuous Improvement

Honeywell

After

Improvement Ideas

Process





Daily walk of
2.7kmDaily walk of
150 meters

Before

- 100,000+ New Ideas Annually
- Input Locally/Implemented Globally
- Reduced Inventory by 50%
- Operator Led Improvements

Continuous Improvement Culture Ingrained

Process Standardization

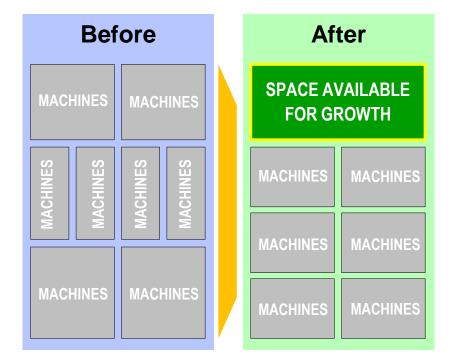
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Visual Management

Capacity Optimization



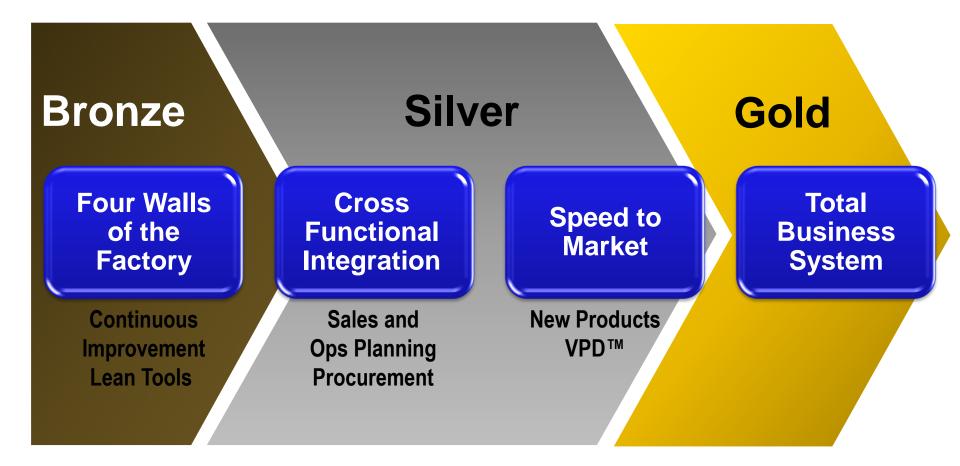
- Rapid Problem Solving on Floor
- Learning Shared Across Sites



- +25% Output / Square Feet
- Space Available for Growth

HOS Implementation From 3 Years To 1 Year

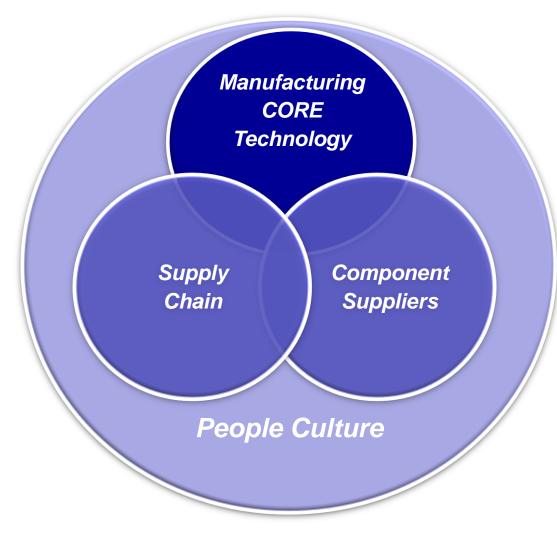




HOS Now Impacts All Aspects Of Business Model

Turbo Operations Overview

Honeywell

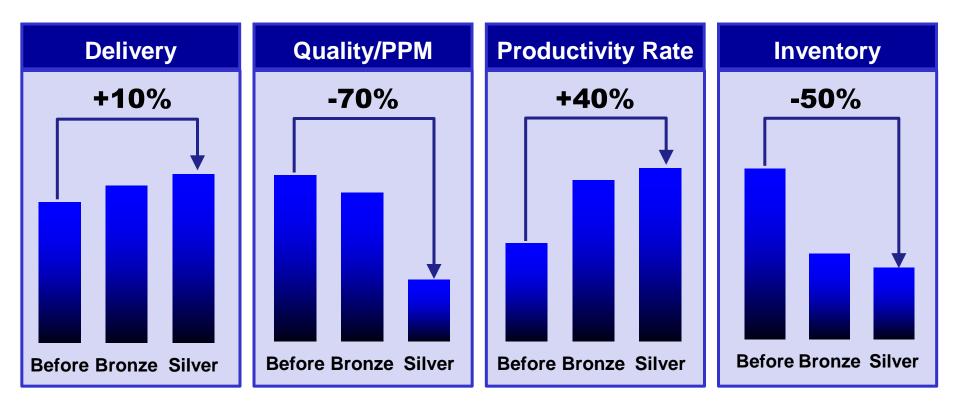


- Full Product Range 1L to 100L
- Global Footprint 13 Countries
- Global Sourcing 30 Countries
- Just in Time Delivery
- 10,000 SKUs
- 1,000+ Suppliers

Broad Portfolio; Complex Global Supply Chain

Key Results: Silver Turbo HOS Sites

Honeywell

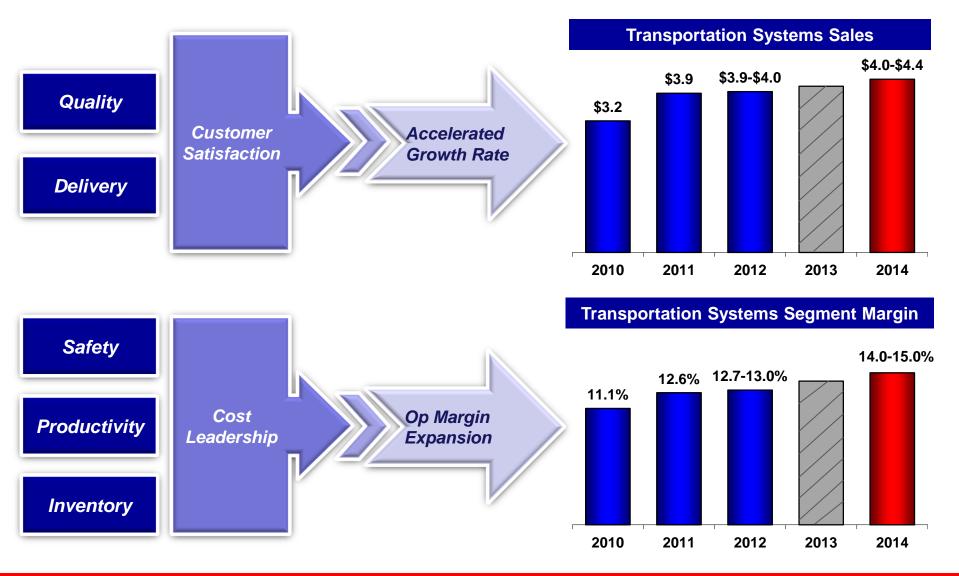


- Industry Best in Class Performance
- Customer Satisfaction and Cost Leadership

Long Term Competitive Advantage

HOS: Turbocharging Growth

Honeywell

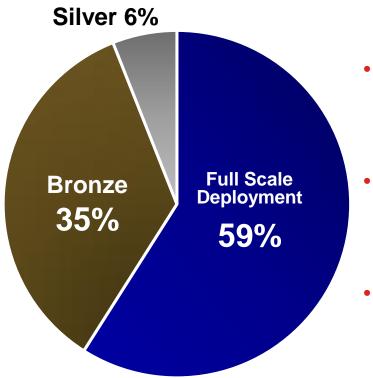


Great Position In Growing Industry

Aero HOS – Building On TS Success

% Aero Manufacturing Cost

Year End 2011



HOS Now Deployed Across All Aero Sites

• Leveraging HON-Wide HOS Success

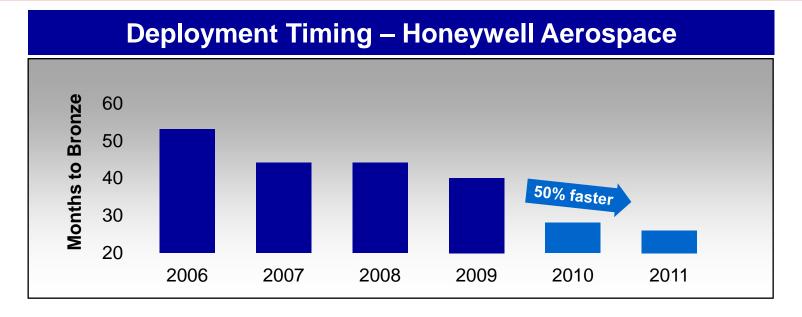
Silver/Bronze Sites Productivity Up 50%

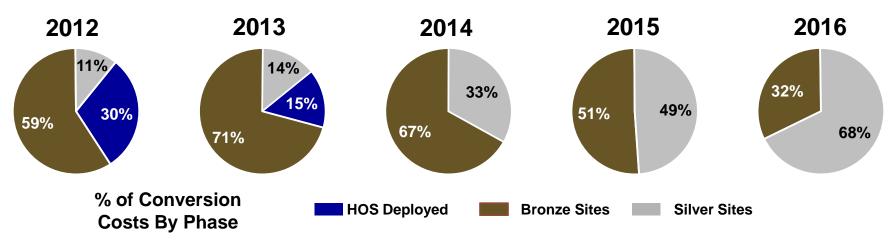
Accelerating Aero HOS Deployment To Maturity

Honeywell Operating System

Accelerating Aero HOS Deployment

Honeywell





100% Of Manufacturing HOS Bronze+ By 2014

Aerospace Operations Overview

Honeywell



Accelerating Productivity And Flexibility Through HOS

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Honeywell Investor Conference - March 7, 2012

HOS Silver – Minneapolis Site

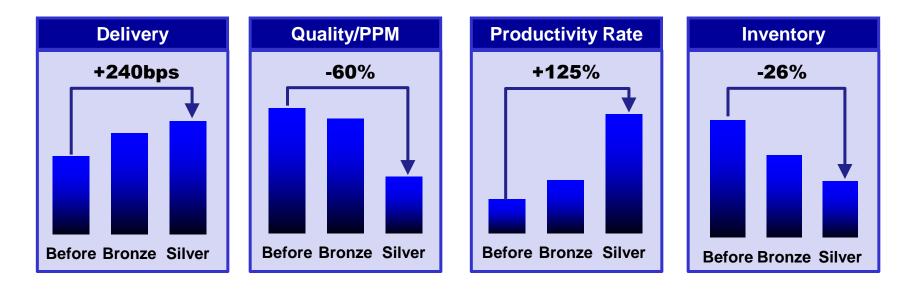
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Best Practices

- Accountability Down to Shop Floor
- Processes to Enables Issue Escalation
- Sites Connected to WW Functions

Employee Culture

- Empowerment of Operators
- Leadership Support and Coaching
- Employee Driven Improvements



Customer Improvement Without Walls

Customer Feedback



"Overall, HOS provides the framework for gains in productivity and quality beyond that typical in manufacturing. It is an industry best practice."



"HOS is engrained, and it is evident that leadership is committed."



"[Recent] results are strong evidence that key ISC initiatives rolled out at the site...including HOS projects are paying huge dividends."



- adation of Continuous Immunovement Culture
- Foundation of Continuous Improvement Culture
- Building Upon Lean Tools and Standardization
- Reaching Beyond the Factory Walls
- Customer Satisfaction and Cost Leadership

