## **Honeywell Operating System**

#### Pasquale Abruzzese

Honeyven

VP Transportation Systems Integrated Supply Chain Mike Owens

GARRE

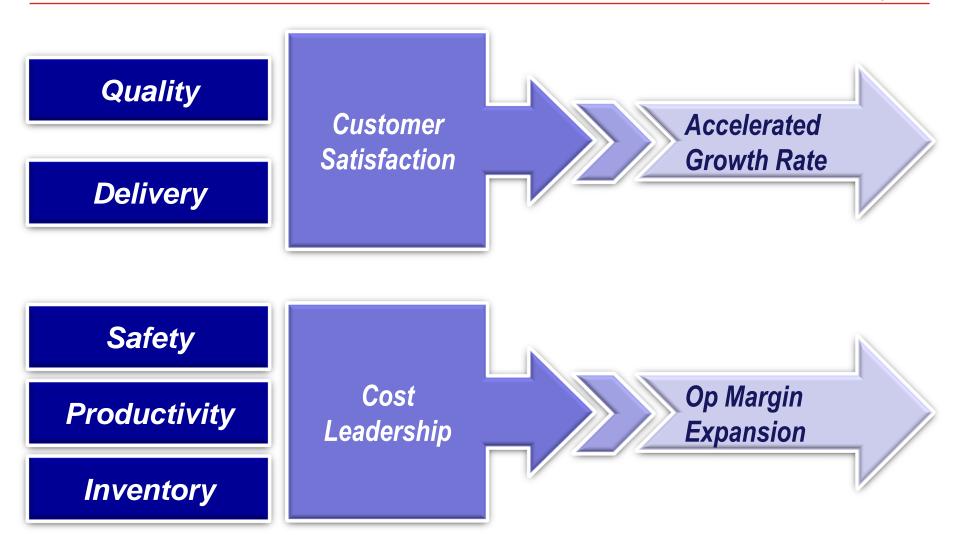
VP Aerospace Integrated Supply Chain

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
<ul> <li>Top Down Plant Leadership</li> </ul>	<ul> <li>Leaders Acting as Coach</li> </ul>
<ul> <li>Project Based Improvements</li> </ul>	Continuous Improvements
<ul> <li>Operators as Doers</li> </ul>	<ul> <li>Operators as Doers and Thinkers</li> </ul>
<ul> <li>Unrealized Improvement Ideas</li> </ul>	<ul> <li>Rapid Problem Solving Culture</li> </ul>

## **People Working Smarter Not Harder**

# **Driving Continuous Improvement**

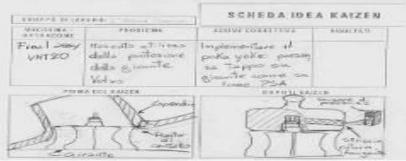
#### Honeywell

After

#### Improvement Ideas

#### Process





Daily walk of<br/>2.7kmDaily walk of<br/>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**

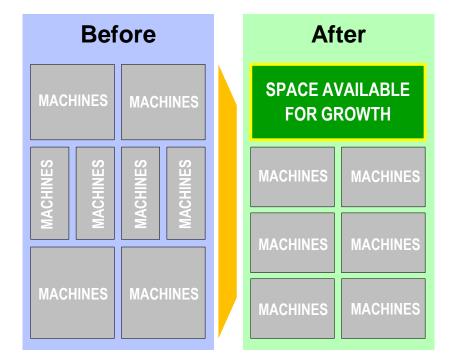
#### Honeywell

#### **Visual Management**

#### **Capacity Optimization**



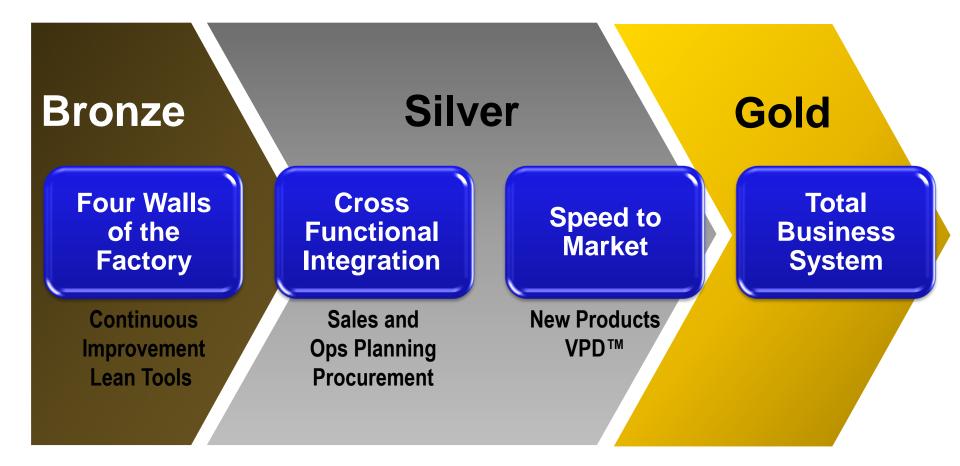
- Rapid Problem Solving on Floor
- Learning Shared Across Sites



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

### **HOS Implementation From 3 Years To 1 Year**

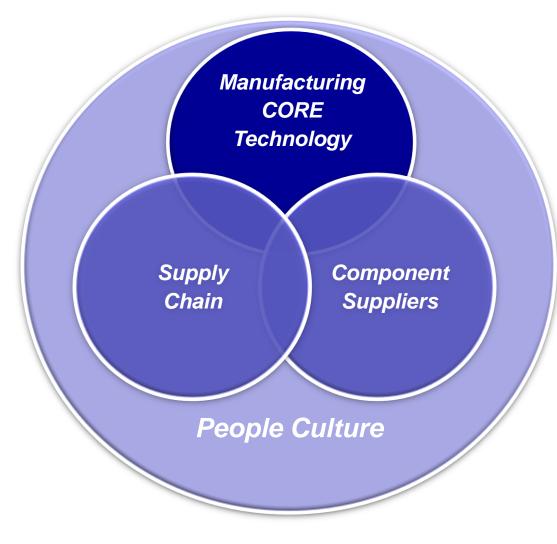




**HOS Now Impacts All Aspects Of Business Model** 

# **Turbo Operations Overview**

#### Honeywell

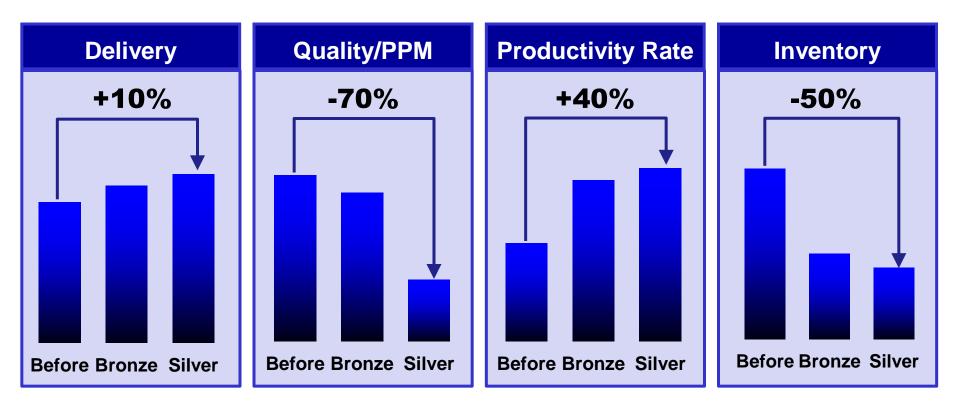


- Full Product Range 1L to 100L
- Global Footprint 13 Countries
- Global Sourcing 30 Countries
- Just in Time Delivery
- 10,000 SKUs
- 1,000+ Suppliers

**Broad Portfolio; Complex Global Supply Chain** 

# **Key Results: Silver Turbo HOS Sites**

Honeywell

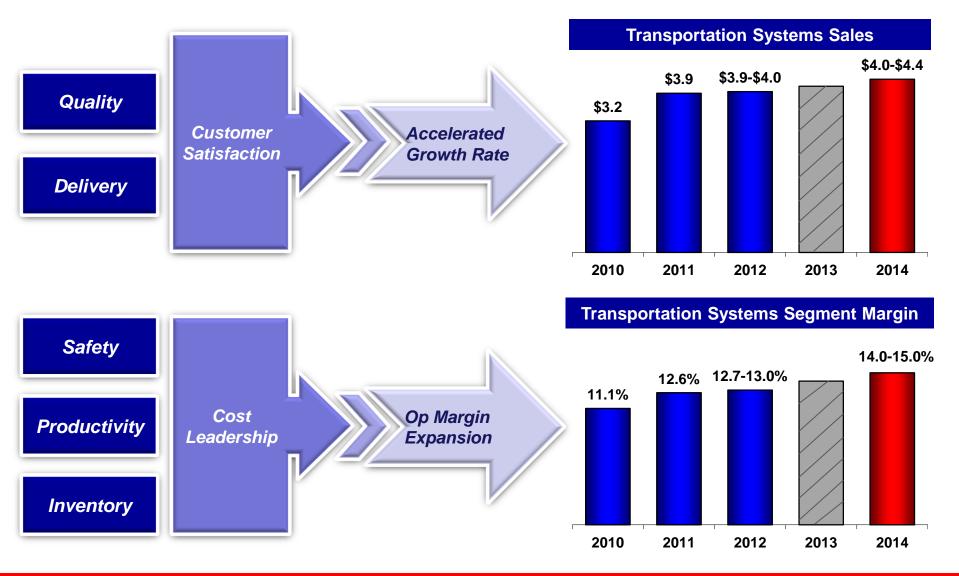


- Industry Best in Class Performance
- Customer Satisfaction and Cost Leadership

### Long Term Competitive Advantage

# **HOS: Turbocharging Growth**

#### Honeywell

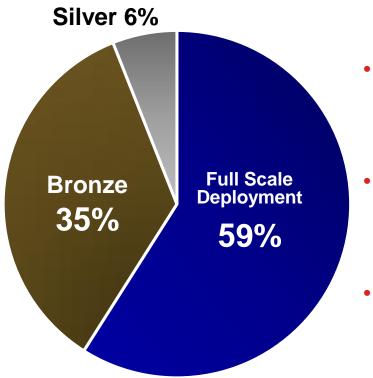


### **Great Position In Growing Industry**

# Aero HOS – Building On TS Success

#### % Aero Manufacturing Cost

Year End 2011



HOS Now Deployed Across All Aero Sites

• Leveraging HON-Wide HOS Success

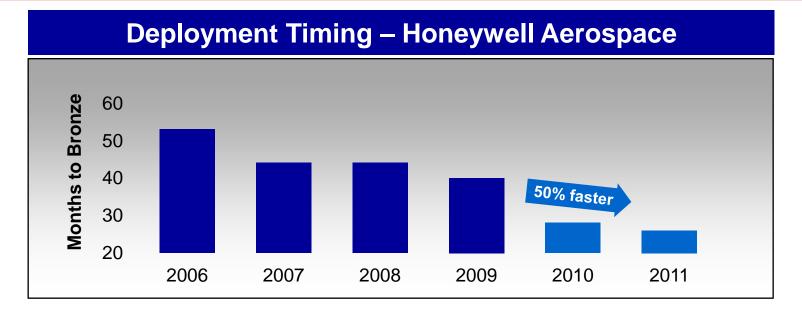
Silver/Bronze Sites Productivity Up 50%

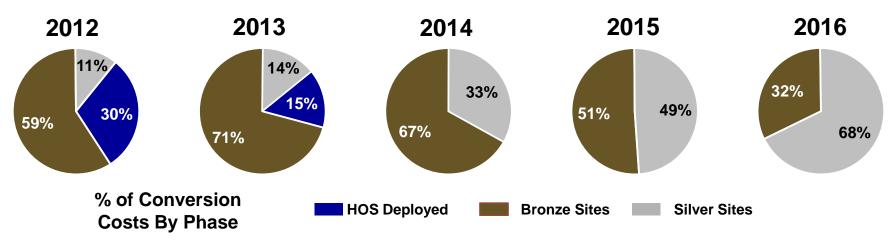
### Accelerating Aero HOS Deployment To Maturity

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**

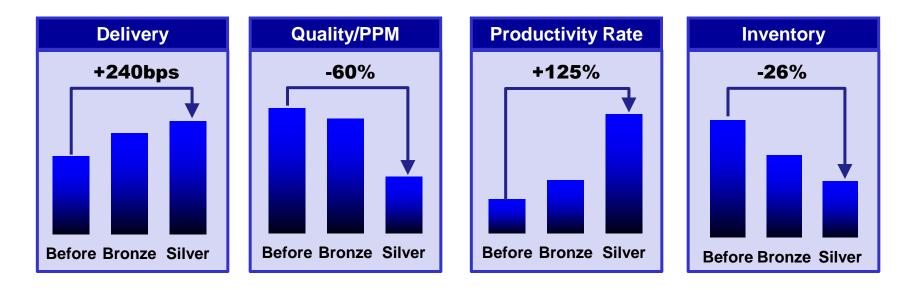
#### Honeywell

#### **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

