Voice Directed Inspections

Prakash Somasundaram

Honeywell

High Value, Mission Critical Assets

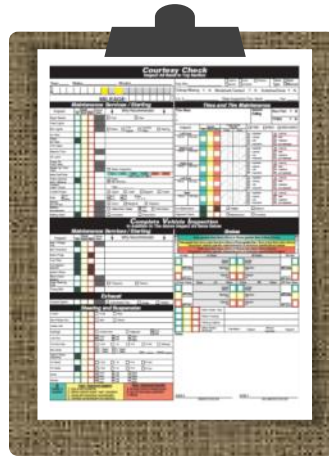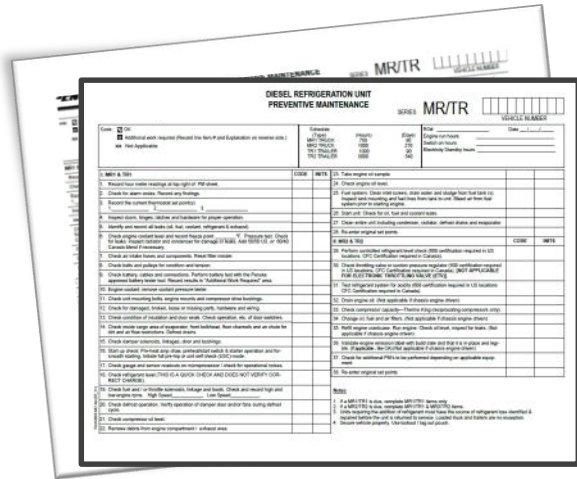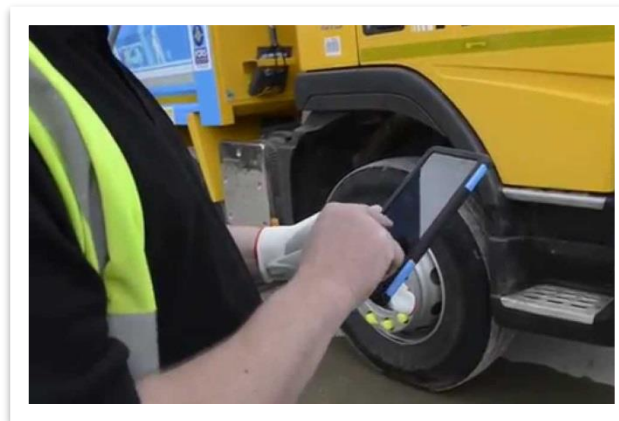| AIRCRAFTS | SHIPS | COMBAT VEHICLES | INFRASTRUCTURE |

Go through regular preventive maintenance process

Currently Used Documentation Methods

are heavily paper based

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moving towards using consumer and industrial handhelds

Vocollect voice is a hands-free, eyes free system to get work instructions and document in real time.

- Step by step process guidance

- Real time date capture

- Dynamic inspections based on asset type and condition

Proven technology over 25 years

Vocollect Voice Users **Almost 1,000,000**	Increased Productivity 10% to 35% — **35%** ↑
Annual Customer Savings **$20+ Billion**	Reduction of Errors 25% to 50% — **25%** ↓
Installed in **60 Countries**	Reduced Training Time Up to 50% — **50%** ↓
Languages Supported: **35**	Turnover Reduction 15% to 30% — **30%** ↓
Members of Global Team **2,000+**	Reduced Safety Incidents 5% to 20% — **20%** ↓

with measurable impact

Video of Vocollect Voice

**Insert downloaded video of Aviation Inspection video**

Benefits in Maintenance & Inspections

What does it enable?

- **Strict process compliance** and standardization across all sites.

- **Documentation time eliminated** while capturing accurate data.

- **Detailed visibility** into site operations.

What does that mean for you?

- **Increases quality and consistency of service**

- **Reduces maintenance costs**/ increases capacity.

- Enables constant **process improvement**
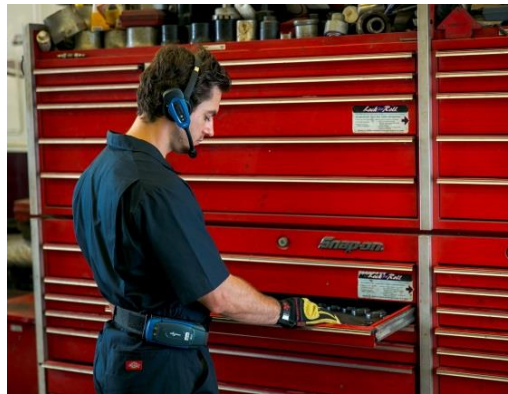
How it Works?
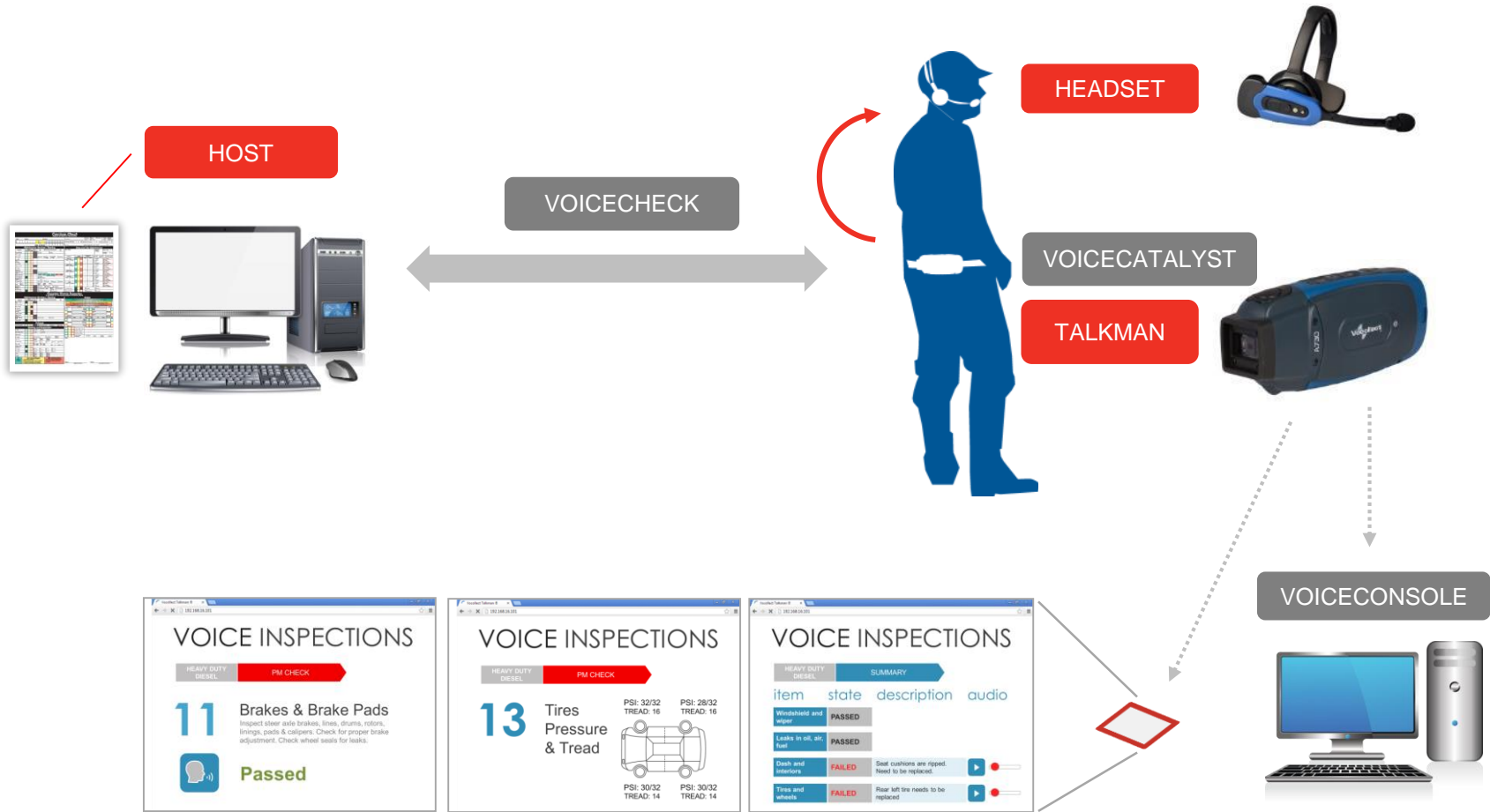
Customer Success

Honeywell Aerospace

Induction Process for Jet Engine Auxiliary Power Units (APUs) live since June 2014 with 35+ mechanics using voice system

30%+

reduction in data entry cycle time

Large Truck Fleet Company

Preventive Maintenance and repair of leased trucks with a fleet of 206,000 Trucks serviced across 500 locations with 4000 techs

25%

reduction in inspection time

Hill Air Force Base

Maintenance and induction of APUs at one site Live since July 2015. Multiple mechanics trained and using the system

20%+

reduction in inspection time

Lufthansa Technik

Maintenance and induction of APUs at one site Live since April 2015. Multiple mechanics trained and using the system

Elimination of all redundant documentation
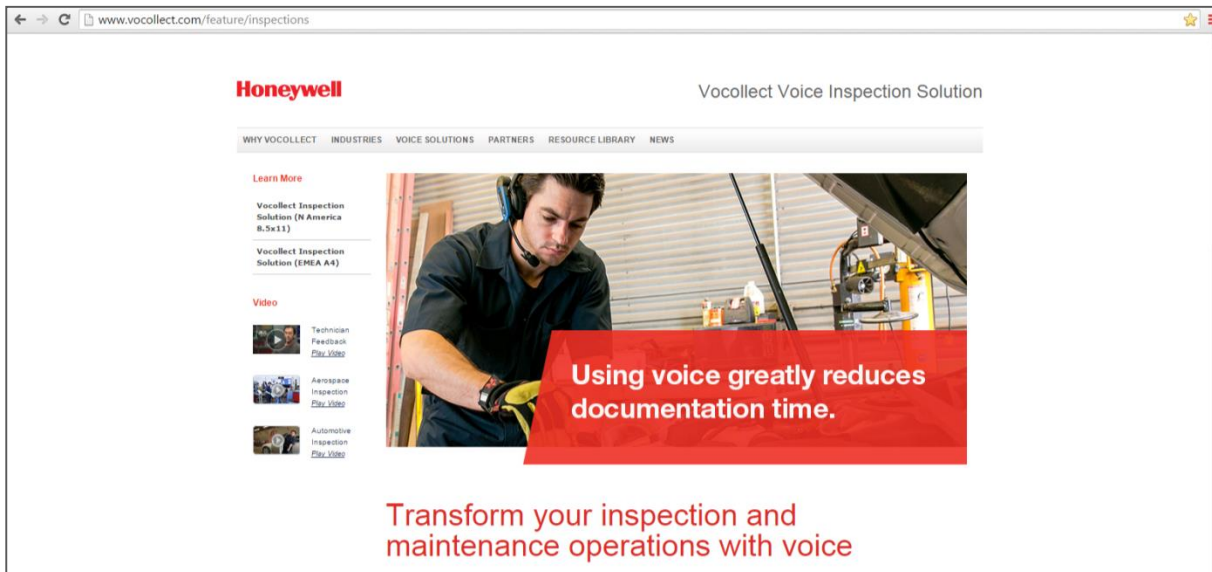
Other DoD sites such as
- Cherry Point - USMC Air Station on F16 and Osprey APUs,
- US Army ANAD - Anniston for A1A tank parts inspection
- USMC Blount Island - MPS for AAV inspections
- Warner Robins AFB

What to do if you are interested?

Stop by at the Innovation Poster Session or Booth #

OR Contact us at: vocollectinfo@honeywell.com

More info and videos on www.voiceinspections.com

Thank You

Prakash Somasundaram

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Honeywell Corporate Profile

Honeywell

- Aerospace
- Automation and Control Solutions
- Performance Materials and Technologies
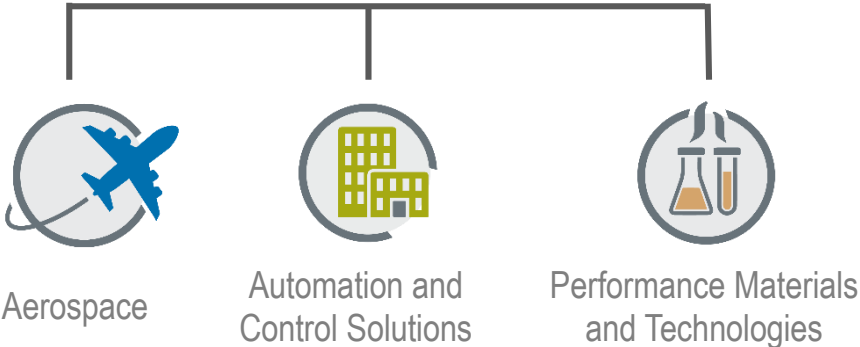
Morristown, NJ

CORPORATE OVERVIEW

$3.9B
*in Free-Cash-Flow**

$40.3B
*in Sales**

55%
*Sales outside U.S. **

16.6%
*in Segment Profit**

- 1,300 sites, 70 countries
- 132,000 employees
- Headquarters, Morristown, NJ
- Fortune 100

* FY2014 Financials

Is voice a good fit?

FIT FOR VOICE	NOT A FIT FOR VOICE
• Repetitive process	• Highly variable process
• Structured data	• Free form data
• Hands-free/Eyes free need	• Hands free is not an issue
• Need for guidance	
• Documentation required	

Implementation Methodology

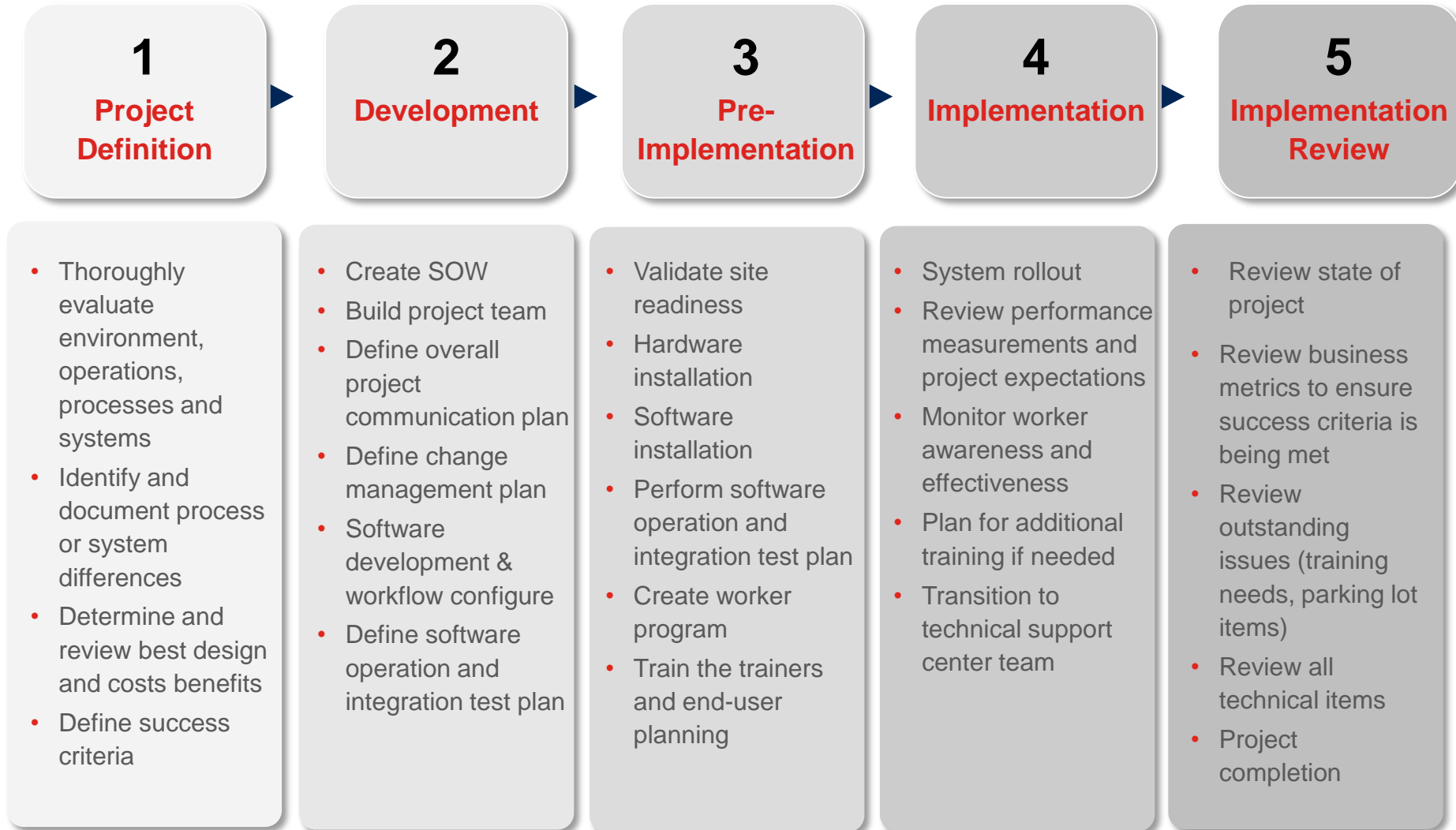| 1 Project Definition	2 Development	3 Pre-Implementation	4 Implementation	5 Implementation Review
• Thoroughly evaluate environment, operations, processes and systems • Identify and document process or system differences • Determine and review best design and costs benefits • Define success criteria	• Create SOW • Build project team • Define overall project communication plan • Define change management plan • Software development & workflow configure • Define software operation and integration test plan	• Validate site readiness • Hardware installation • Software installation • Perform software operation and integration test plan • Create worker program • Train the trainers and end-user planning	• System rollout • Review performance measurements and project expectations • Monitor worker awareness and effectiveness • Plan for additional training if needed • Transition to technical support center team	• Review state of project • Review business metrics to ensure success criteria is being met • Review outstanding issues (training needs, parking lot items) • Review all technical items • Project completion

Feedback from Users

Insert downloaded video of Technician Feedback