MAINTENANCE AND INSPECTION: TRANSFORM YOUR OPERATIONS WITH VOICE GUIDANCE

Honeywell Voice



Honeywell

CONSISTENT PROCESSES AND DOCUMENTATION STANDARDIZE MAINTENANCE AND INSPECTION

Every minute spent fixing critical equipment reduces productivity. What's more, all maintenance, inspections and repairs in regulated industries must meet precise standards and documentation requirements. With Honeywell Voice for Maintenance and Inspection guiding a technician step by step, operational disruptions are minimized, documentation is automated, and compliance is assured.

Companies with high-value assets like aircraft engines or a fleet of trucks face significant expenses and compliance requirements for maintenance, inspections and repairs. Many of these organizations today still use paper processes which remain inefficient and inaccurate. All too often, they lead to downstream rework and unnecessary operational disruptions that cost businesses time and money.

Honeywell Voice for Maintenance and Inspection solves that by providing clear, step-by-step directions to technicians in fast-paced and physically demanding environments. This makes it easier to follow standard procedures, document the condition of equipment, and confirm when each step of a process has been completed — all in real time. What's more, Honeywell Voice frees up technicians' hands and eyes so that they can focus on their tasks and comply with safety procedures.

The technology also helps organizations onboard technicians quickly, streamline record keeping, and can make technicians available sooner for other tasks.



Compact, ergonomic and rugged, Honeywell Voice A700x Series devices can be body-worn or mounted for maximum operational flexibility.

The SRX3 Wireless Headset raises the standard in technician efficiency, productivity, accuracy and compliance.



WORKING BY VOICE

1. Honeywell Voice for Maintenance and Inspection frees mobile workers' hands and eyes in order to maximize productivity and achieve higher accuracy rates. Our robust solution is comprised of:
   - Rugged, noise-suppressing headsets with SoundSense™ technology
   - Directional microphones that deliver clear, crisp audio from your workers into the system
   - A wearable mobile device to interface with the Honeywell Voice system
   - Advanced software to integrate with your preferred host system
2. Using "text-to-speech" and "speech-to-text" technologies (available in more than 40 languages), Honeywell Voice converts standard operating procedures to direct technicians through each required task or step in maintenance, inspection or repair processes.
3. As a technician completes each step, s/he speaks a verbal confirmation into a headset.
   a. When prompted, the technician also can upload photos using a touch-screen device to record the condition of equipment before and after work is performed.
   b. Using a mobile device also provides the technician access to images and information to help identify parts or explain processes.
4. Spoken information is converted into data by Honeywell Voice, then communicated back to your host system to provide real-time updates to required logs and other records.

AIRCRAFT AND FLEETS: ENSURE SAFETY AND COMPLIANCE WITH VOICE DIRECTIONS

Streamline off-wing maintenance, repair and overhaul (MRO) to restore aircraft engines, as well as workflows for airframe and structural components and other aircraft systems, to designed operational condition.

AIRCRAFT MRO

Other aviation applications for voice-directed processes include:

Heavy Maintenance
Improve the consistency and documentation of comprehensive structural inspections as well as work performed on aircraft.

Component Inspection
Ensure flight worthiness by enabling regular inspection and maintenance checks or airframe components.

Line Maintenance
Better execute MRO for aircraft systems, including auxiliary power units, avionics, wheels and brakes, communication equipment and flight controls.

MORE ACCURATE RECORDS

A leading aerospace manufacturer reduced data entry cycle time by **30 percent** compared to its previous manual data entry methods. The company also realized significant gains in accuracy of the data.



Optimize maintenance of fleet power units and trailers as well as improve use of the most common required and preventive maintenance checklists.



FLEET MAINTENANCE

Voice-directed applications for heavy-duty trucks and other fleet vehicles include:

Regulatory Compliance
Establish consistent processes in order to comply with required inspections and fleet procedures for preventive maintenance.

Real-Time Repair Records
Accurately document in real time all repairs of power units and trailers, including recording information about parts replaced and new parts ordered.

Aftermarket Services
Ensure adherence to checklists for standard procedures when technicians perform retrofits with additional parts or components.

SPEND LESS TIME ON INSPECTIONS

A leading fleet leasing and management company expects to reduce time spent on vehicle inspections by nearly **25 percent** after implementing Honeywell Voice for Maintenance and Inspection. This will make technicians available to broaden the company's inspection offerings as a market differentiator.



MORE INDUSTRIES: INCREASE THROUGHPUT, COLLECT VALUABLE DATA

Improve maintenance and inspection processes across a variety of industries and applications, ranging from assembly and logistics to construction and utilities, health care, and oil and gas.



ASSEMBLY AND LOGISTICS

As employees and assets change, training becomes more important. With step-by-step voice guidance, technicians require less training and no shadowing. By queuing results and integrating directly with business systems, employees will no longer waste time navigating screens. Instead, they can focus on the work required.



OIL AND GAS

The oil and gas field presents unique challenges for workers. Employees are required not only to navigate heights in their environment, but also avoid potentially explosive situations. By enabling workers to focus on safety procedures as well as the task at hand, Honeywell Voice can improve safety.



HEALTH CARE

Errors in health care can have significant consequences. Through standardization and elimination of transposition, Honeywell Voice can ensure equipment and processes critical to human health are maintained and executed properly. Voice guidance and data collection at the point of care enable medical staff to maintain cleanliness best practices, improve quality and accuracy while reducing documentation overhead.



CONSTRUCTION AND UTILITIES

Network connectivity and host system software may not always be available in the field. Honeywell Voice captures, queues and transmits data when a network becomes available. Contractors, technicians and inspectors can work on-site uninterrupted.

BENEFITS OF VOICE GUIDANCE: DELIVER NEW LEVELS OF CONSISTENCY AND EFFICIENCY

Honeywell Voice for Maintenance and Inspection enhances the documentation of standard operating procedures and improves compliance by eliminating the cumbersome and inefficient steps associated with previous maintenance and inspection processes.

Eliminate inefficient and outdated tools still used for maintenance and inspection processes, such as data entry and look-up time on a laptop or handheld device, or cumbersome paper forms. With Honeywell Voice, technicians respond to spoken commands delivered in their language through headsets. Then they verbally input their findings directly into your system via a headset microphone while performing each task as directed.



The voice-enabled Maintenance and Inspection application runs on compatible Android or iOS devices.

REASONS TO INVEST IN MAINTENANCE AND INSPECTION

- **Streamlined Documentation —** by completing observations and findings documentation while performing the actual task
- **Enhanced Compliance —** strict adherence to standard operating procedures ensures consistent technician behaviors
- **Process Improvement —** through the implementation of defined processes and actionable operational insights
- **Improved Safety —** by enabling hands-free, eyes-free operations at the point of inspection
- **Faster Training and New Technician Onboarding —** with easy-to-follow documentation and inspection processes for training existing and new technicians
- **Greater Technician Retention —** by providing an intuitive solution that motivates and enables technicians to be more productive and increases employee satisfaction

HANDS-FREE EYES-FREE

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