



AESA – ANNUAL REPORT

PAUL HOLZMAN

2019

Honeywell



PAUL HOLZMAN

HSE DIRECTOR, COMPLIANCE & GOVERNANCE



Honeywell

Background:

Degrees:

- B.S. Environmental Policy and Planning
- MAHR – Human Resource Management

Certifications:

- CSP
- Green Belt Certified

Years with HON: 6 years

Years of HSE Experience: 22 years



HSEF: Safe & Sustainable

HONEYWELL OVERVIEW

NYSE: HON | ~970 sites | ~110,000 employees | Charlotte, N.C. headquarters | Fortune 100



AEROSPACE

More fuel-efficient aircraft. More direct and on-time flights. Safer skies and airports. We're found on virtually every commercial, defense and space aircraft.



BUILDING TECHNOLOGIES

Over 100 years ago, we defined energy efficiency by making indoor comfort automatic. Today, we redefine it in 10 million buildings using our technology.



PERFORMANCE MATERIALS & TECHNOLOGIES

We pioneered automation control. So we understand complex industrial facilities, and how to create high-quality and high-performance chemicals and materials.



SAFETY & PRODUCTIVITY SOLUTIONS

Each year, we keep over half a billion workers safer and more productive with voice-enabled software, barcode scanners, mobile computers and protective equipment.

HONEYWELL CONNECTED ENTERPRISE

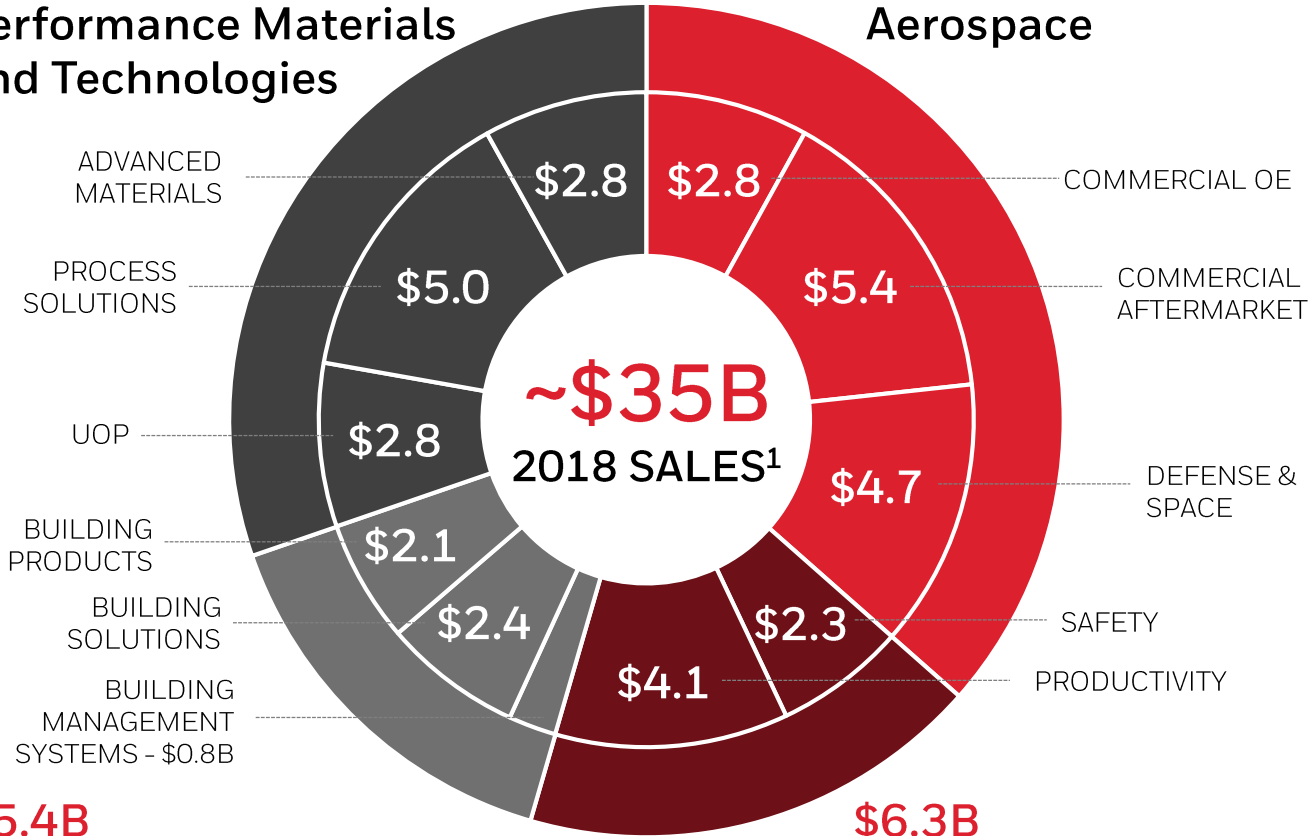
Honeywell Connected Enterprise (HCE) was established in 2018 to accelerate software development and IIoT solutions. We focus on software development, from the gateway to end-user applications, bringing scale and capability across all of Honeywell. These new offerings are then commercialized through Honeywell's businesses.

Innovating For More Than 100 Years – And Now We're Creating What's Next

HONEYWELL AT A GLANCE

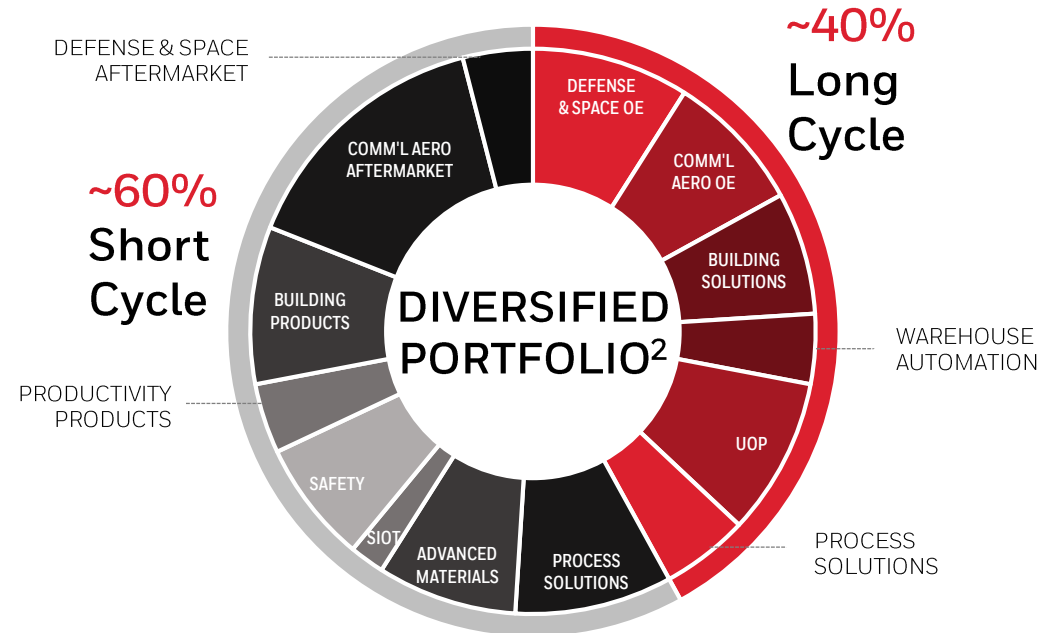
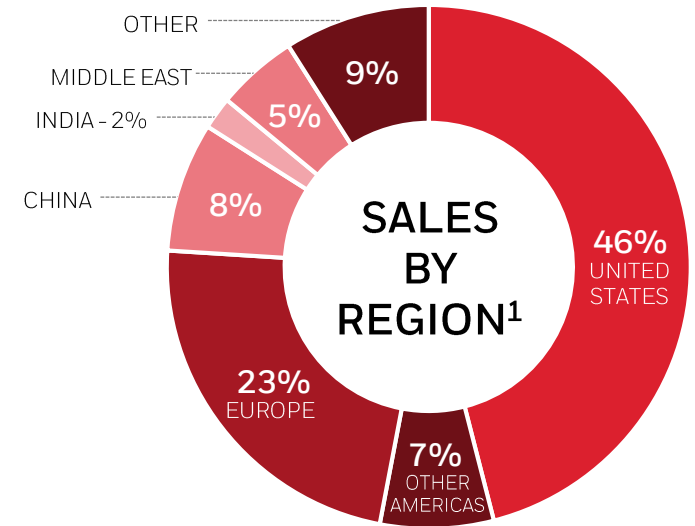
\$10.7B
Performance Materials
and Technologies

\$12.9B
Aerospace



\$5.4B
Honeywell Building
Technologies

\$6.3B
Safety and Productivity
Solutions

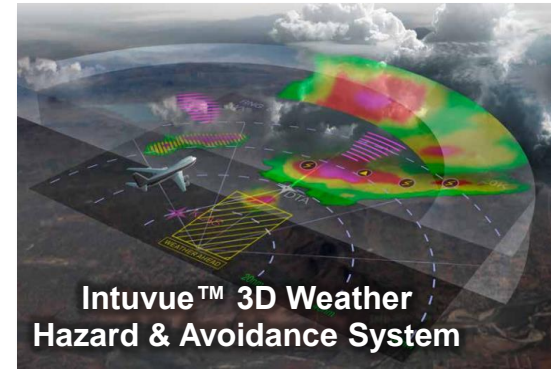


¹ Represents 2018 sales excluding Garrett (the former Transportation Systems business) and Resideo (the former Homes and ADI global distribution business); Differences between segment sales figures and the sum of sales figures for the businesses within each segment are due to rounding

² Represents 2019E sales

ADDRESSING WORLD'S TOUGHEST CHALLENGES

- Developing and manufacturing technologies that drive energy efficiency, improve worker safety and productivity, and build global urbanization
- Performance Materials and Technologies' Solstice® low-global-warming products helping replace harmful hydrofluorocarbons (HFCs)
 - HFO-1234yf safely cooling more than 70M cars worldwide; expected to grow to more than 90M cars by end of 2019
- Aerospace's Enhanced Ground Proximity Warning System reduced controlled flight into terrain (CFIT) accidents from ~1 in every 3 million flights to less than 1 in every 20 million
- Personal and industrial safety equipment serve more than 500 million people around the world daily



Our Products Are Making the World Safer, Cleaner, and More Sustainable

ENVIRONMENTAL, SOCIAL, GOVERNANCE

Our Mission and Plan

- Ensuring a cleaner, safer, and healthier future
- Integrating health, safety, and environment into all aspects of business
- Protect workers and employees globally
 - Safety record is +80% better than industry average
- Annual targets for waste reduction
 - ~90% reduction in greenhouse gas (GHG) emissions intensity since 2004
- Comprehensive system aligned to industry best practices, fully integrated into the Honeywell Operating System



Onondaga Lake, **Syracuse, N.Y.**, former “Most Polluted Lake” now fishable and swimmable community asset spurring development

Former chemical plant in **Baltimore, MD**, now Harbor Point, home to Exelon, a leading energy provider; Morgan Stanley; and Johns Hopkins Medicine



Building a Better Future

AEROSPACE

More fuel-efficient aircraft. More direct and on-time flights. Safer skies and airports. We're found on virtually every commercial, defense and space aircraft.



Business Portfolio:

- Electronic Solutions
- Engines and Power Systems
- Mechanical Systems and Components
- Connected Aerospace

Headquarters:

Phoenix, Arizona

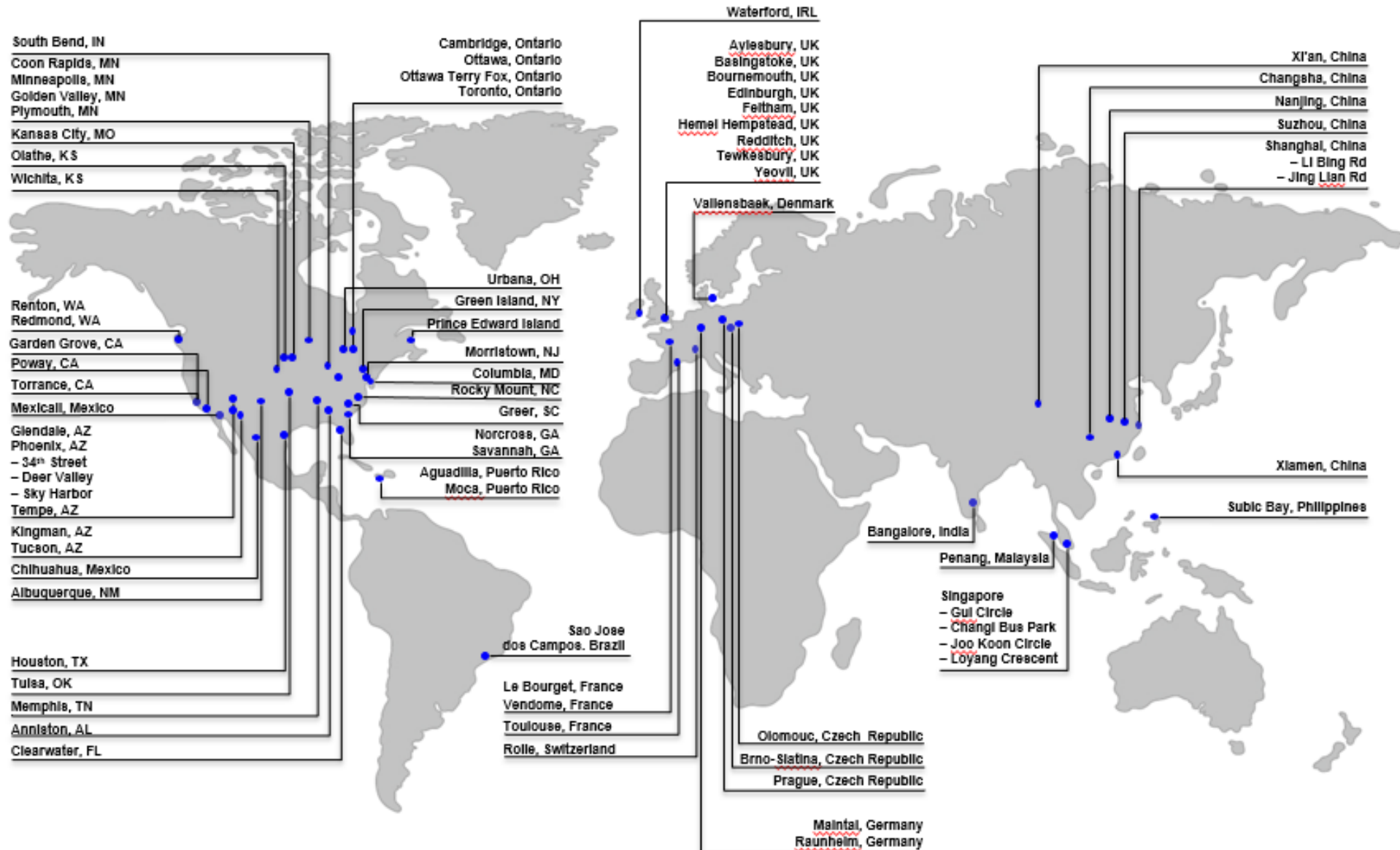
\$12.9B

2018 Sales

Technologies:

- Air and Thermal Management
- Connectivity Systems and Connected Aircraft Services
- Federal Solutions Management and Operation
- Hybrid Electric Systems
- Integrated Avionics Offerings and Flight Management Systems
- Manned/Unmanned and Satellite Applications/Space
- Mechanical Components
- Navigation, Safety, and Surveillance Solutions
- Propulsion and Power Systems
- Runway and Flight Safety Technology
- Wheels and Braking Systems

WHERE WE ARE



DO YOU KNOW: AEROSPACE

EVERYDAY 140,000 HONEYWELL AIR TURBINE STARTERS bring to life commercial and military aircraft and industrial and marine equipment.

\$2.0 BILLION DOLLARS Annual spend by airlines to maintain wheels and brakes.

MISSION SUCCESS Since the 1950s, Honeywell has been on board every NASA space mission.

Global flight delays cost airlines **\$25 BILLION.**

The 16 Honeywell wheels on an Airbus A380 jetliner support **1.3 MILLION POUNDS.** That's the equivalent to more than 35 city busses.

>160K AUXILIARY POWER UNITS, GENERATORS AND HIGH PERFORMANCE ENGINES for airplanes, helicopters, and military vehicles shipped since 1948.

Honeywell components are onboard more than **80% OF SATELLITES** in orbit.

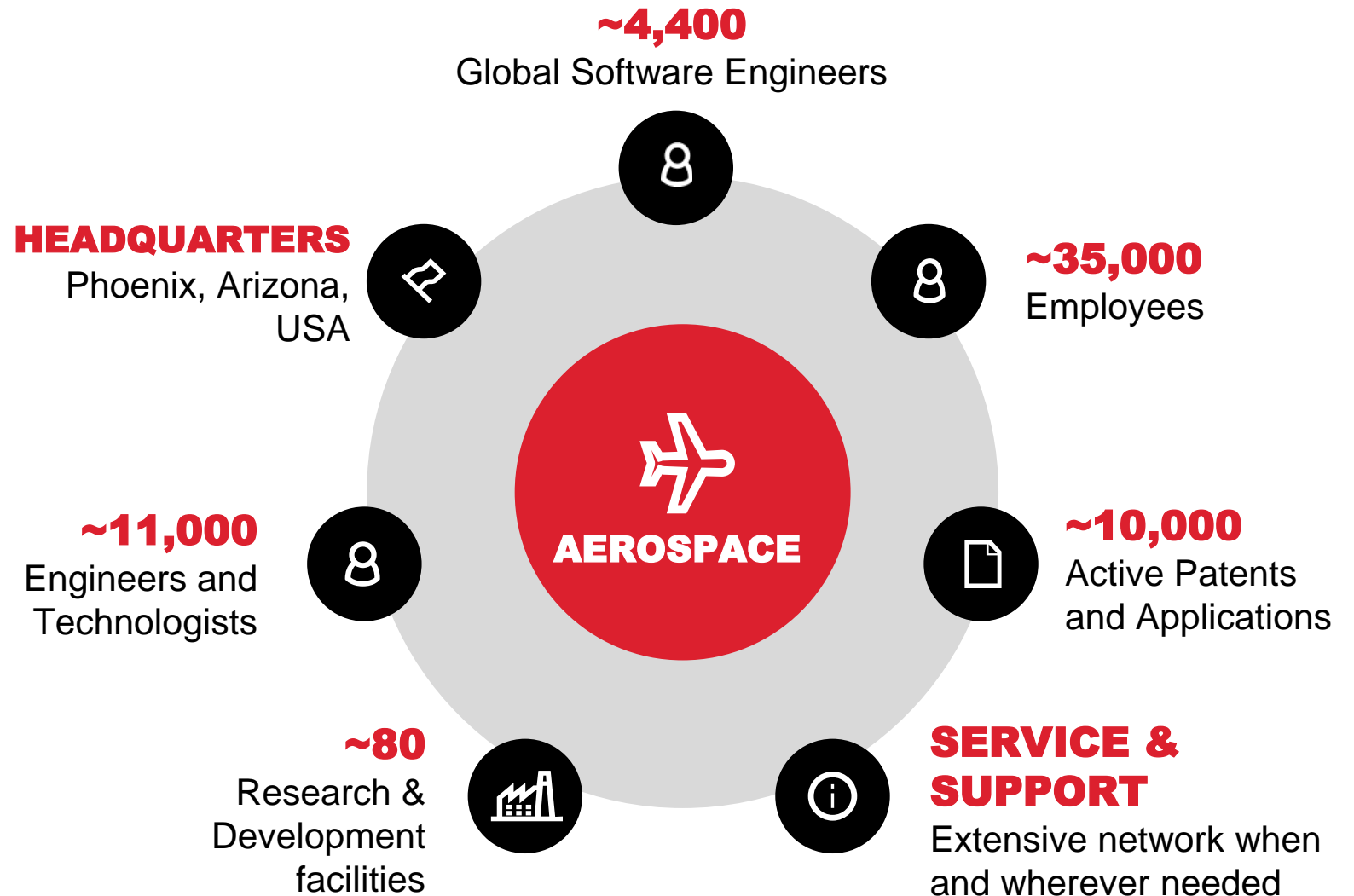
Our navigation solutions are on **90% OF COMMERCIAL AIR TRANSPORT AND 70% OF MILITARY AIRCRAFT**

Honeywell fuel control systems have logged more than **1 BILLION FUEL CONTROL FLIGHT HOURS.**

EVERY 5 SECONDS, an airliner with a **Honeywell Wheels & Braking system** lands somewhere in the world.

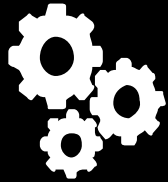
OVERVIEW: AEROSPACE

Honeywell Aerospace products and services are found on virtually every commercial, defense and space aircraft. We build aircraft engines, cockpit and cabin electronics, wireless connectivity systems, mechanical components and more, and connect many of them via our high-speed Wi-Fi offerings. Our solutions create more fuel-efficient and better-maintained aircraft, more direct and on-time flight arrivals, safer skies and airports and more comfortable flights, along with several innovations and services that reflect exciting and emerging new transportation methods such as autonomous and supersonic flight.



PORTFOLIO BREADTH: **AEROSPACE**

ROBUST PORTFOLIO OF TECHNOLOGY SOLUTIONS



**Delivering Greater
Value To Our
Customers**

ELECTRONIC SOLUTIONS

- Integrated Avionics Offerings
- Navigation, Safety and Surveillance Solutions
- Flight Management Systems, Flight Controls and Synthetic Vision Display Technologies
- Manned/Unmanned and Satellite Applications, Space

ENGINES & POWER SYSTEMS

- Propulsion Engines
- Auxiliary Power Units
- Electric Power Systems
- Hybrid Electric Systems

SERVICES & CONNECTIVITY

- Connected Aircraft Services
- Connectivity Systems/SATCOM
- Data Analytics
- Maintenance, Repair & Overhaul
- Aerospace Trading

MECHANICAL SYSTEMS & COMPONENTS

- Air Pressure & Control Systems
- Components, Heat Exchangers, Valves, Fuel Controls, Actuators, Coatings
- Federal Solutions: Manage & Operate US Government Facilities – Kansas City National Security Campus, Nevada National Security Site, Sandia Laboratories
- Life Support Systems
- Wheels & Braking Systems

CORE STRENGTHS



REVOLUTIONIZING

combat technology, commercial space, passenger jets and urban air mobility



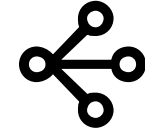
GLOBAL LEADER

in the traditional aviation industry



LEADING

Connected Aircraft revolution



DRIVING MODERNIZATION

of global air traffic management



COMMITTED TO IMPROVING

fuel and flight efficiency, maintenance, safety, block time and ground turns through digital connectivity



Developing **INNOVATIVE SAFETY PRODUCTS** and solutions



Serving all major aircraft OEMs **WORLDWIDE**

PRESENCE IN ARIZONA



Partner with
LEADING PUBLIC AND NON-PROFIT INSTITUTIONS
to address community needs

Honeywell and its employees donated over **\$1 million and 5,000 volunteer hours** to schools, communities and Arizona non-profits (2017)

The Honeywell Fiesta Bowl Aerospace Challenge engaged **1000+ middle school students** to support science, technology, engineering and math (STEM) education

Sponsoring students and teachers to attend the **Honeywell Leadership Challenge Academy** at the U.S. Space & Rocket Center (USSRC)

 **~7,800**

Arizonans
EMPLOYED

 Invest
~\$800M

per year with
Arizona-based
suppliers

 Home to
12
FACILITIES



Our HSE&F Vision and Mission Statements



Vision: Integrated Business partner providing unparalleled HSE&F value and uncompromising commitment to employee health and safety and environmental stewardship

Mission: Protect people and the environment through the capabilities of our global talent and the strength of our HSE&F Management System

SUSTAINABLE OPPORTUNITY POLICY

Honeywell

Sustainable Opportunity Policy Honeywell's Commitment to Health, Safety and the Environment

By integrating health, safety and environmental considerations into all aspects of our business, we protect our employees, our communities and the environment, achieve sustainable growth and accelerated productivity, drive compliance with all applicable regulations and develop technologies that expand the sustainable capacity of our world. Our health, safety and environmental management systems reflect our values and help us meet our business objectives.

- We protect the safety and health of our employees, and minimize the environmental footprint of our operations through efforts to prevent illness, injury and pollution.
- We actively promote and develop opportunities for expanding sustainable capacity by increasing energy and water efficiency, improving security and safety, and reducing emissions of harmful pollutants.
- We are committed to compliance with all of our health, safety, environmental and legal requirements everywhere we operate.
- Our commitment to health, safety and the environment is an integral aspect of our design of products, processes and services, and of the lifecycle management of our products.
- Our management systems apply a global standard that provides protection of both human health and the environment during normal and emergency situations.
- We identify, control and endeavor to reduce hazards and associated risk (to employees), emissions, waste and inefficient use of resources, including energy and water.
- We are open with stakeholders and work within our communities to advance laws, regulation and practices that safeguard the public.
- We abide by the company's own strict standards in cases where local laws are less stringent.
- Our senior leadership and individual employees are engaged in aspects of health, safety and the environment and are accountable for their role in meeting our commitments.
- We measure and periodically review our progress and strive for continuous improvement.

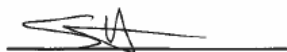
These are our commitments to health, safety, and the environment, and to creating Sustainable Opportunity everywhere we operate.



Darius Adamczyk Chairman
and CEO



Mike Madsen
President and CEO, Honeywell Aerospace



Scott Harczyński
Vice President, HSE&F

CONSERVATION AND POLLUTION PREVENTION

- ✓ Trip reduction program participation and innovation;
- ✓ Water conservation projects;
- ✓ Programs to minimize the production of waste; source reduction, product substitution, Waste Diversion Rate reduction, substitution, etc;
- ✓ Programs to reduce energy consumption, e.g., Energy Star, Green Lights;
- ✓ Use of renewable energy technologies;

NA: Instituting an environmental reclamation or improvement project, e.g., creating a wetland.

NA: Programs to reduce regulated discharges to the environment.



TRIP REDUCTION PROGRAM

- Trip Reduction Program
 - Honeywell Engines, Sky Harbor, Tempe, Deer Valley and Glendale sites have been participating in the Honeywell Arizona Trip Reduction Program (TRP) for several years.
 - Over 6,500 employees are targeted
 - Over 5,500 employees are estimated to respond to the 2019 survey (approximately 75% of the total employee population). Some key elements of the Honeywell TRP include:
 - Special Contests: Bike Month, Rideshare, High Pollution Advisory, Transportation Survey
 - Monthly Clean Air Contests to encourage carpooling, transit use, and other alternate modes of transportation
 - Subsidies and reserved parking for Vanpool participants
 - Fully-subsidized Valley Metro Smart Cards are provided to employees for use on both the Light Rail and Valley metro
 - Reserved carpool spaces for registered carpool groups (316 employees registered for carpool program).
 - *NEW – Scoop Carpool App Pilot
 - Oct 2019 TRP Audit – No findings!

ENERGY AND WATER SAVINGS PROJECTS (AZ)

Lighting Projects

- **240 projects – convert HID and fluorescent lighting to LED including building exterior, offices lighting and production area lighting**
- 14,672,881 kbtu energy savings
- Top Sites and Projects
 - Glendale – 27 LED retrofit projects
 - Sky Harbor – 10 LED retrofit projects
 - Phoenix – 91 LED retrofit projects
 - Tempe – 24 LED retrofit projects
 - Deer Valley – 26 LED retrofit projects
 - Tucson – 36 LED retrofit projects

Water Savings Projects

- **29 projects**
- 9,903,839 gallons water savings
- Top Projects
 - Tucson - Install make-up water conductivity meters on cooling towers
 - Tempe – Install new dishwasher and water saving restroom fixtures
 - Phoenix – Xeriscaping and water saving restroom fixtures
 - Sky Harbor – Xeriscaping and water saving restroom fixtures

HVAC and Control Systems Projects

- **12 projects**
- 20,917,991 kbtu energy savings
- Top Sites and Projects
 - Deer Valley – Replacement of 2 Central Plant chillers
 - Phoenix – Replacement of 1 Central Plant chiller
 - Sky Harbor – Replacement of 3 Central Plant chillers
 - Tucson – Replacement of 3 Central Plant cooling towers
 - Phoenix – Replacement of 6 Evaporative coolers

Compressed Air Projects

- **23 projects**
- 23,273,529 kbtu energy savings
- Top Projects
 - 9 sites conduct ultrasonic compressed air leak surveys – 21 surveys completed
 - Deer Valley – replace fixed speed air compressor with variable speed drive air compressor

HONEYWELL AEROSPACE: RECYCLING EFFORT COMMON BALANCED SCORECARD (CBS)

Energy & GHG
Reduction

Environmental
Events

Haz Waste
Reduction

Waste
Diversion

Honeywell THE POWER OF CONNECTED		Common Balanced Scorecard													Additional											
		Lagging							Leading						Additional											
		TCIR	DART	Energy/GHG		Env Events	Reg w/o	On Time CA	Comp Assur	Risk Reduc	Comm & Engmt	Event RCCA	HSE / HOS	SCORE	LWCAIR	CA Avg Days to Close	CA > 180 Days	All Reg Inspect w/o Findings	Haz Waste Efficiency	Waste Diversion Rate	Regulatory Engagement	Maturity Assessment	SBG Energy (BBTU)			
		weight	5%	5%	10%		10%	10%	10%	10%	10%	10%	10%	1.95	0.11	56	3%	91%	-5%	62%	162%	84%	3,172			
		2018 YE	0.33	0.16			5	95%	98%	100%	100%	100%	100%	1.75	0.10	50	2%	86%	-3%	56%	97%	85%	3,605			
		2018 AOP	0.38	n/a			11	90%	97%	97%	97%	97%	97%	1.75	0.10	60	2%	87%	-3%	58%	100%	85%	3,861			
		2019 AOP	0.34	0.18	35.7	AOP Green	0%	7	90%	97%	97%	97%	97%	Score	12MO			YTD	12MO	YTD	YTD	YTD	AOP Green			
		12MO	12MO	ACT	Green	%Δ	YTD	YTD	YTD	YTD	YTD	YTD	YTD	Score	12MO			YTD	12MO	YTD	YTD	YTD	ACT			
		Column #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2019 - October	Aerospace		0.32	0.14	33	36	-9%	7	96%	98%	100%	100%	100%	100%	99%	2.00	0.07	35.0	2.6%	91.8%	-10.6%	64.4%	157%	86.4%	2,578	2,853
2019 - October	AERO AMERICAS	ELECTRONIC OPERATIONS	0.31	0.15	689	762	-10%	1	93%	94%	100%	100%	100%	100%	97%	1.90	0.08	57.0	4.8%	87.2%	NA	TBD	NA	87.9%	689	762
2019 - October		MECHANICAL OPERATIONS	0.28	0.10	1478	1,614	-8%	5	97%	99%	100%	100%	100%	100%	100%	1.80	0.02	47.0	3.0%	92.5%	NA	TBD	NA	86.8%	1478	1,614
2019 - October		AFTERMARKET SERVICES	0.48	0.20	142	170	-17%	1	93%	100%	100%	100%	100%	100%	100%	1.80	0.12	23.0	0.0%	88.5%	NA	TBD	NA	89.1%	142	170
2019 - October	AERO AMERICAS		0.32	0.14	2309	2,546	-9%	7	94%	98%	100%	100%	100%	100%	99%	1.80	0.06	46.0	3.4%	88.8%	-7.7%	60.8%	160%	87.9%	2,309	2,546
2019 - October	AERO APAC	APAC China and PHL	0.00	0.00	20	22	-12%	0	96%	98%	100%	100%	100%	100%	100%	2.00	0.00	20.0	NA	97.3%	NA	TBD	NA	85.7%	20	22
2019 - October		APAC SE Asia	0.27	0.27	56	63	-10%	0	100%	100%	100%	100%	100%	100%	100%	2.00	0.27	30.0	NA	100.0%	NA	TBD	NA	85.0%	56	63
2019 - October	AERO APAC		0.19	0.19	76	85	-11%	0	96%	99%	100%	100%	100%	100%	100%	2.00	0.19	23.0	6.9%	97.9%	0.6%	82.6%	202%	85.5%	76	85
2019 - October	AERO EMEA	EMEA OEM	0.56	0.28	115	126	-9%	0	100%	99%	100%	100%	100%	100%	100%	1.80	0.28	27.0	NA	100.0%	NA	TBD	NA	80.3%	115	126
2019 - October		EMEA Other	0.00	0.00	0	0	NE	0	100%	100%	NE	NE	NE	NE	NE	2.00	0.00	22.0	NA	100.0%	NA	TBD	NA	NA	0	0
2019 - October		EMEA R&O	0.40	0.40	39	49	-21%	0	100%	99%	100%	100%	100%	100%	100%	2.00	0.40	20.0	NA	100.0%	NA	TBD	NA	86.8%	39	49
2019 - October	AERO EMEA		0.38	0.24	154	175	-12%	0	100%	99%	100%	100%	100%	100%	100%	1.80	0.24	24.0	0.0%	100.0%	-16.1%	97.9%	108%	83.3%	154	175
2019 - October	CMOC	Contract Manufacturing (CMOC)	0.48	0.12	40	48	-17%	0	100%	100%	100%	100%	100%	100%	100%	1.90	0.00	36.0	0.0%	95.7%	NA	61.3%	236%	85.5%	40	48
2019 - October	FED MFG & TECH	Fed MFG & TECH SBE	0.34	0.09	0	0	NE	0	100%	100%	100%	95%	100%	100%	100%	1.90	0.02	-	0.0%	100.0%	NA	TBD	109%	87.5%	0	0

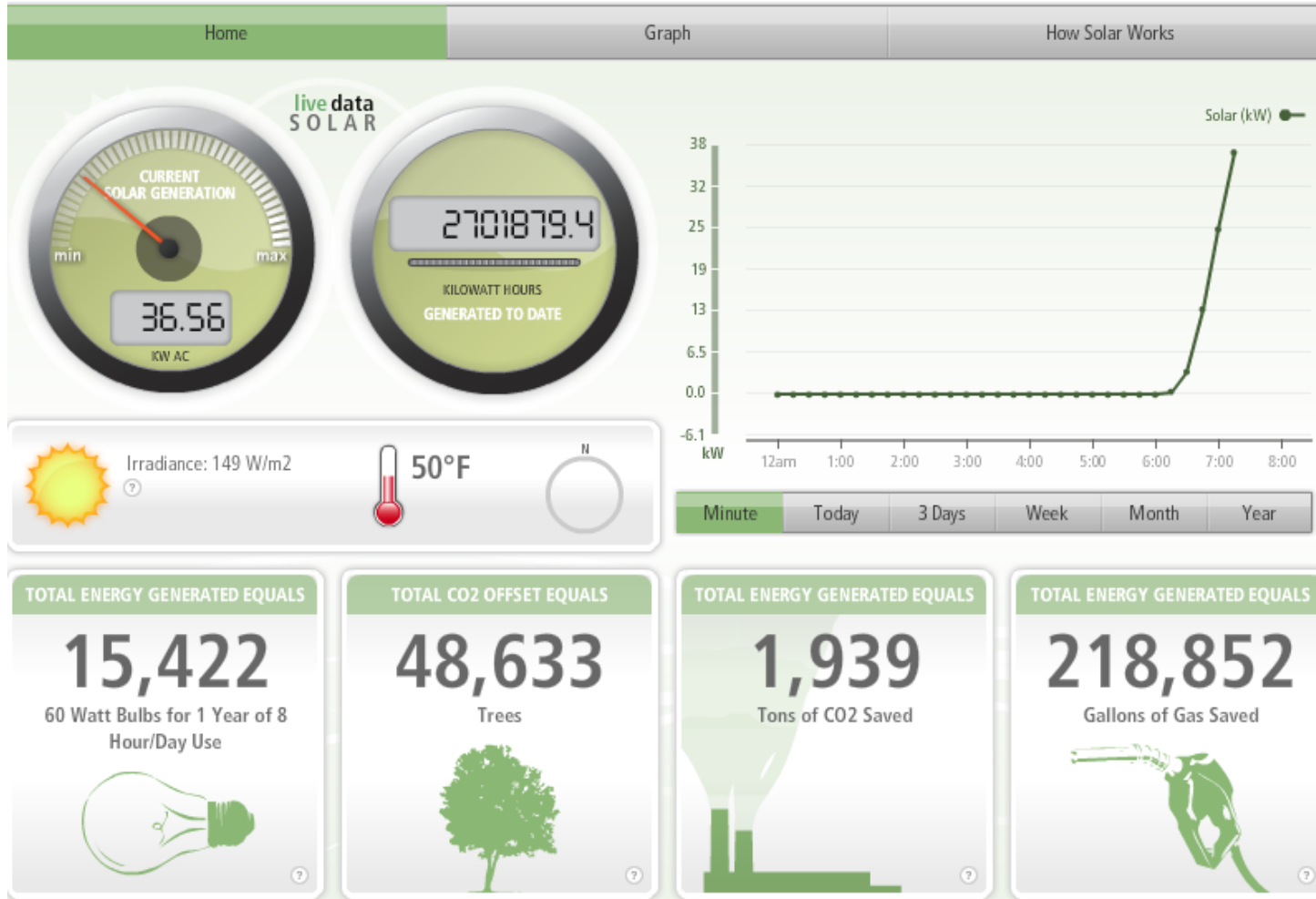
2019 YTD WDR is up over 64%

HONEYWELL AEROSPACE: RENEWABLE ENERGY

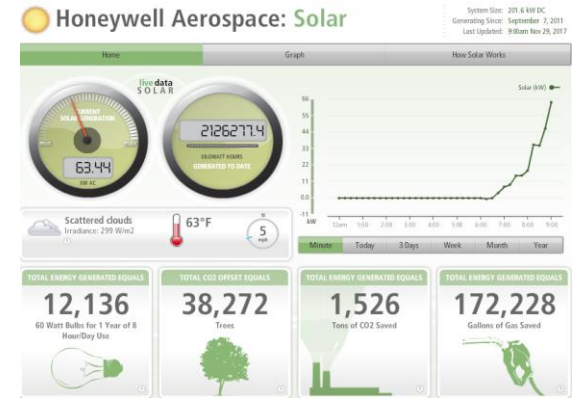
Honeywell Aerospace: Solar

System Size: 201.6 kW DC
Generating Since: September 7, 2011
Last Updated: 7:15am Nov 26, 2019

YTD
2019



Reported to AESA in 2017



Reported to AESA in 2018



EDUCATION AND MENTORING

- ✓ Mentoring other organizations regarding process improvements and pollution prevention approaches and techniques;
- ✓ Providing to the public an annual report documenting environmental performance;
- ✓ Membership and active participation in voluntary federal, state, or local environmental protection programs;
- ✓ Creating or participating in programs that enhance environmental goal beyond regulatory requirement (Regulatory Engagement);
- ✓ **Continued:** Innovation for environmental improvement in industry or sector

NA: Distribution of literature, guides, or reference material concerning environmental issues.

HSE INTERN PROGRAM

OBJECTIVE

Build Foundational Knowledge/Experience

- HSE Program Management
 - Operating/Management Systems
 - Project Management
-

OPPORTUNITY

Upon Successful Completion of Internship

- Formal Offer for HSE Rotational Engineer Program Position (Full Time)

HSE ROTATIONAL ENGINEER/ PROFESSIONAL PROGRAM

OBJECTIVE

Build On Foundational Knowledge/Experience

- HSE Program Ownership
 - Operating/Management Systems
 - Project Management
 - Develop Influencing Skills
-

OPPORTUNITY

Upon Successful Completion of Rotations

- Apply for HSE Position within Aero

MENTORING

- Mentoring, Communication Opportunities:
 - **~Monthly VPPPA/BOD Meetings**
 - Honeywell SGE's trained to provide VPP audits/guidance
 - **Maricopa County Air**
 - Every 2 Month Meetings with Director for Clean Air Council
 - Oct 2019 – Seminar Presentations (Energy) – Steven Kessler
 - **Standing Monthly Meetings with ADEQ**
 - Interacting and Partnering with Regulators
 - Stakeholder feedback participation
 - **HSE Rotational Engineer/Intern Program**
 - ASU – Participate in ASU Environmental Resource Management (ERM) Career Fairs
 - Nov 2019 - HSE Engineer Alum Preso to ASU Students – Deanna McKendry
 - U of A – Presented HSE Professional Outlook to MPH Students
 - Embry Riddle – Plan to visit campus by Year-end

CORPORATE CITIZENSHIP REPORT

Corporate Citizenship

- Honeywell is committed to creating, supporting, and nurturing programs and initiatives that serve a global community and our hometowns too.
- With nearly 50% of its products linked to energy efficiency, Honeywell can help the world face its energy challenges.
- In fact, if Honeywell's existing technologies were widely adopted today, energy demand in the U.S. could be reduced by 20-25%.
- Now available for download on our external website at:

https://www.honeywell.com/content/dam/honeywell/files/Corporate_Citizenship_Report.pdf



VESP PARTICIPATION

- ADEQ Voluntary Environmental Stewardship Program
- All AZ Aero sites accepted in the program at Platinum Level 2015-2017
- All Sites approved for renewal of VESP for 2018-2020
- Onsite benchmarking visits to Honeywell
- Len Drago Gemba of Honeywell VESP Meeting (Oct 2019)



BEYOND REQUIREMENTS: REGULATORY ENGAGEMENT

- What does regulatory engagement aim to do?
 - Facilitate interaction with regulatory partners outside of inspections.
 - Build trust between the regulator and the regulated entity.
 - Open lines of communication that benefit understanding of technical issues.
 - Help regulators better understand the regulated community.
- Who should lead it?
 - Greatest benefit is seen at the Site-Level – most common denominator to appropriately interact with regulators.
 - Also, support and participate in this at a Aerospace level- if you ask your sites to participate in a program then what will you do to support it?
 - Part of Branding Strategy

Planned/Actual Monthly Engagements												
5	6	8	13	3	12	6	11	6	6	6	4	0
8	10	8	15	8	16	12	19	29	9	10		
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

Total Planned	Total Complete YTD	Progress to Annual Plan Goal
94	144	153.19%
Planned YTD		YTD Progress to Plan
70		205.71%

Gregory Bopp; Aero Regional Leaders, Business Leaders, COEs												
NA												
NA												
Regulatory Engagement (RE) Activity												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	P	A	P	A	P	A	P	A	P	A	P	A
Routine: 1 Point Value												
-Administrative												
Complete training on RE Process 2016 in LMS or Aero Meeting	1	1										
Update RE SharePoint (contacts, agency, focus, opportunities, etc)	1	1										
Upload RE Plan to SharePoint after review with RL/BL		1	1									
All HSE Team takes: "What to Do During A Regulatory Inspection" training			1			0						
-Non-inspection interaction												
Informal meeting with regulators (not email)					1	3						
Permit review with regulator interaction (a contact to discuss key points/clarify)								2				
Other review with regulator (regulatory focus)				1		1	4					
-Attending outreach opportunity with regulators												
Stakeholder regulatory focus (outreach typically sponsored by regulator)			1	1		2	2	1	2			
Other stakeholder activity or outreach			1	1		8	2	1				
-Participating in an HSE Alliance Meeting (recognized partner with regulators)												
Alliance, Partnership, quasi-regulators, chamber or commerce, etc	1	1	1	1	0		1	2	5		1	2

Innovation for Environmental Improvement and Recognition



September 2019: Honeywell received AZ Forward Award of Distinction

2019 – Clean Air Campaign Winner



scop | Honeywell

Convenient and enjoyable carpooling

Dramatically improve your commute

Scoop brings together co-workers and neighbors who are going the same way.

Schedule your carpool
Ride or drive to meet your daily need.

Get matched
Our algorithm finds the most efficient door-to-door trip.

Enjoy the trip
Riders and Drivers split the cost so everyone saves.

scop | Honeywell Learn more at carpool@scop.com

October 2019 Carpool App Pilot

Internal HSE Excellence



STRONG ENVIRONMENTAL PERFORMANCE AND UNDERSTANDING OF SUSTAINABILITY

<p>Sustainability → Waste & Water</p> <ul style="list-style-type: none"> Hazardous waste reduction Waste diversion Water use management 	<p>Sustainability → Energy & GHG</p> <ul style="list-style-type: none"> Energy savings projects Greenhouse gas emission reduction CDP reporting on energy & GHG use 	<p>Product Stewardship</p> <ul style="list-style-type: none"> New Product Introduction REACH R&D investment for lead-free solders 	<p>Corporate Citizenship</p> <ul style="list-style-type: none"> Honeywell Hometown Solutions Employee well-being & engagement
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CAMPBELL MEMBERSHIP CRITERIA

- Leadership commitment to world-class EHS
- Integration of EHS and business management
- Transparency in reporting EHS metrics
- Willingness to share successes and lessons learned
- Strong environmental performance and understanding of sustainability
- Robust continuous improvement process

Embracing compliance & sustainability as a core business strategy

2019 – Applied and Accepted as a Campbell Institute Member (Award Winner 2015)

ORGANIZATIONAL ENVIRONMENTAL POLICIES

- ✓ Evaluation of the environmental impacts of product(s) life cycle;
- ✓ A **NEW** environmental management system and audit program;
- ✓ Implementation of sustainability practices.
- ✓ Product Stewardship Audit introduced in 2017
 - ✓ Restricted or Regulated Process Materials, Process Specs, Build of Materials are Assessed
 - ✓ New Product Introduction Procedure (HSE 607) that provides the framework and requirements for new product development. Specifically, this process now includes increased focus and internal formal auditability on responsibly sourced materials, wetland protection consideration, utility usage, recycling and disposal considerations, as well as several other health, safety, and environmental areas.

NA: Instituting a policy requiring vendors to meet the member's environmental requirements

NA: Instituting and following a "green" purchasing policy

IMPACT OF HON PRODUCTS ON THE ENVIRONMENT

Dedicated Product Stewardship Team:

- Restricted or Regulated Process Materials, Process Specs, Build of Materials are Assessed
- New Product Introduction Procedure (HSE 607) – focus on internal formal auditability on responsibly sourced materials, wetland protection consideration, utility usage, recycling and disposal considerations, as well as several other health, safety, and environmental areas.

Product roadmaps to incorporate the CO2 certification metric to ensure HON Engine & Systems performance meet future aircraft requirements.

ENVIRONMENTAL MANAGEMENT SYSTEM

- Environmental Management System (HSEPS MS)
 - Our Management System Tool incorporates the conformance standards of ISO 14001, ISO 45001 into a single system
 - Evergreen site-level audit and 2, 3, or 4-yr Corporate Audit (covers environment):
 - Waste Management and Medical Waste
 - Container Management
 - Air Emissions
 - Wastewater and Storm Water
 - Spill Prevention
 - Drinking Water
 - Energy Management
 - Assurance Letter Process
 - 61 Capital Projects Promoted

12 Op Control Elements Risk-Based

Procedure	Level 2 Program
2-203-X	Confined Space
2-323-X	Contractor HSE
2-301-X	Lock Tag Try
2-307-X	Electrical Safety
2-305-X	Machinery & Equip Safeguarding
2-339-X	Excavation
2-407-X	Waste Management
2-417-X	Chem Container Mgmt & Spill Prev
2-335-X	Ergonomics
2-371-X	Hazardous Chemical Mgmt
2-359-X	PPE
2-375-X	Exposure Assessment
2-389-X	Hot Work

18 HSEMS Elements

Procedure	MS Element (Level 1)
1-101-X	Policy & Ldrshp Commitment
1-102-X	Org Roles and Resp
1-103-X	Aspects and Impacts
1-104-X	Compliance Obligations
1-105-X	Emerging Requirments
1-106-X	MOC
1-107-X	HSEPS Objectives
1-108-X	Management Plans
1-109-X	Comp, Aware, Training
1-110-X	Communication & Participation
1-111-X	Documents and Records
1-112-X	Operational Planning & Control
1-113-X	Emerg Preparedness & Resp
1-114-X	Behavior and Culture
1-115-X	Monitor, Measure, Self-Assess
1-116-X	Internal Audit
1-117-X	Management Review
1-118-X	Incident, NonConf, and CA

REGULATORY STATUS AND COMPLIANCE HISTORY

- Regulatory Compliance
 - Federal
 - State (ADEQ: Hazardous Waste, UST, Air)
 - County (Air, Food Safety, Trip Reduction, Ind. Commission, Facilities)
 - City (City of Phoenix, Wastewater, Storm Water, Fire Department)
 - Local (GRIC)
- Compliance Status- Regulatory Inspections w/o Findings
 - 45 Regulatory Inspections in YTD, 43 (96%) of which resulted in no “findings” and No NOV’s issued
 - All Inspections with findings undergo a rigorous RCCA to address root and contributing causes and then knowledge sharing.

2019 Regulatory Visits		
• 236 Regulatory Inspections YTD (Oct 31)		
Region	% of Total Inspections	Total # Inspections
Americas	66%	157
APAC	21%	49
CMOC	10%	23
EMEAI	2%	4
FMT	1%	3
• Primary Inspections: 97% without findings YTD		
• All Inspections: 92% without Findings YTD		

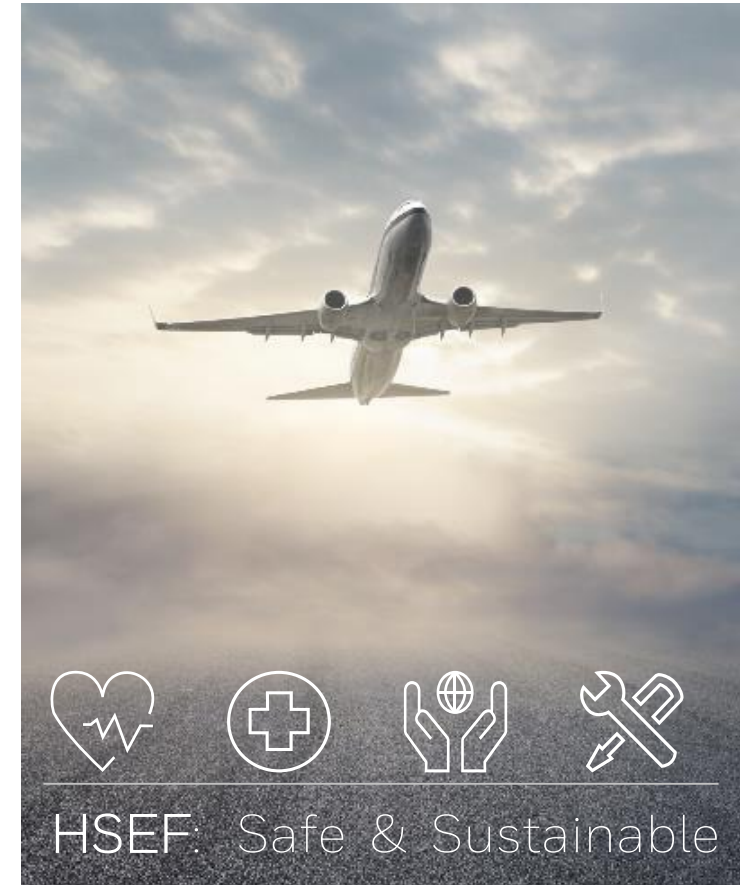
THANK YOU

Questions?

Contact information

Email: paul.Holzman@Honeywell.com

Phone: 480-250-6411



We Shape the Future of a Smarter, Safer, and more Sustainable World