

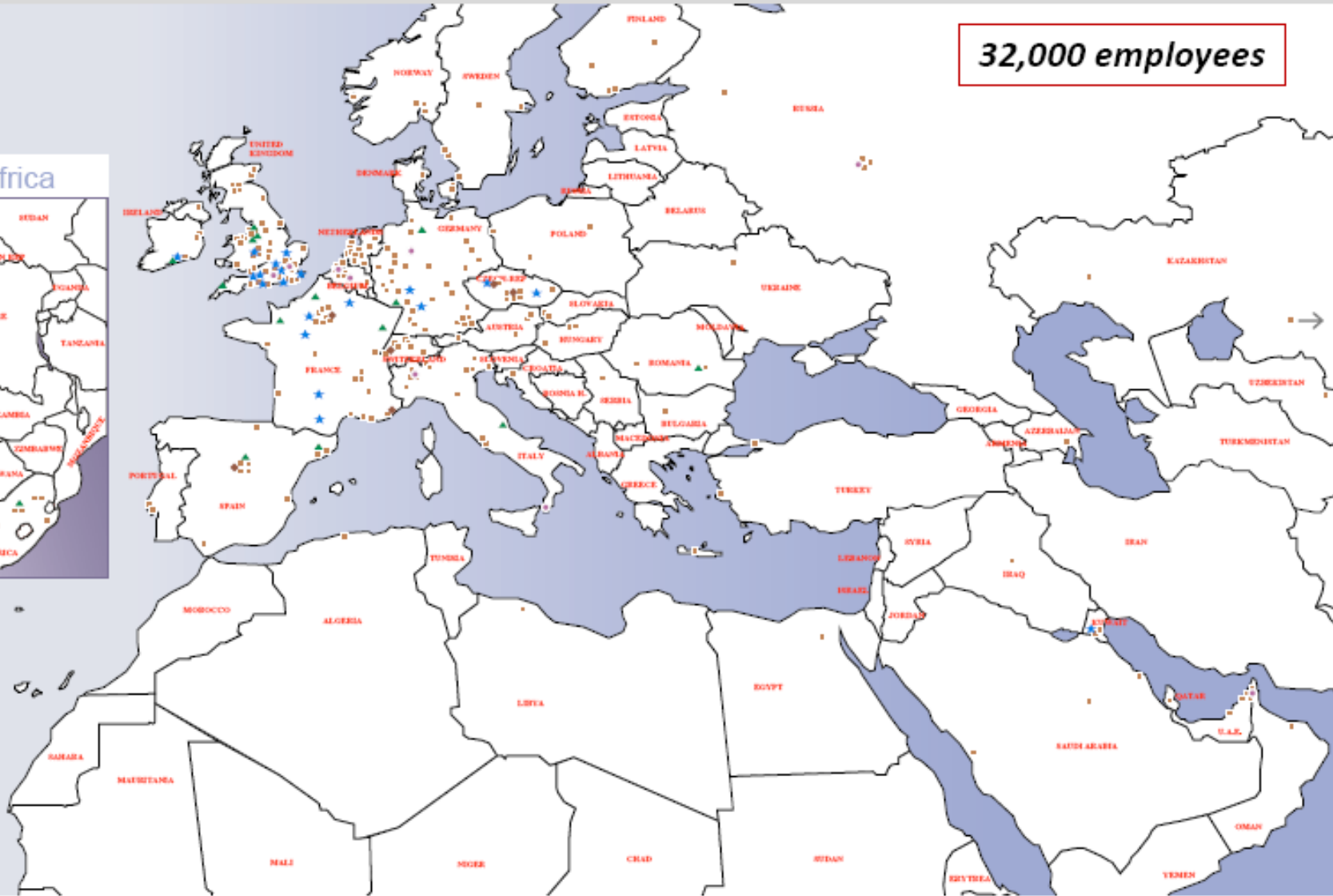


# Honeywell Defense & Space Overview

**Honeywell**

## Europe, Middle East, & Africa Presence

**32,000 employees**



- ▲ Transportation systems
- Automation & control Solutions (ACS)
- ★ Aerospace
- Speciality Materials
- ◆ Corporate

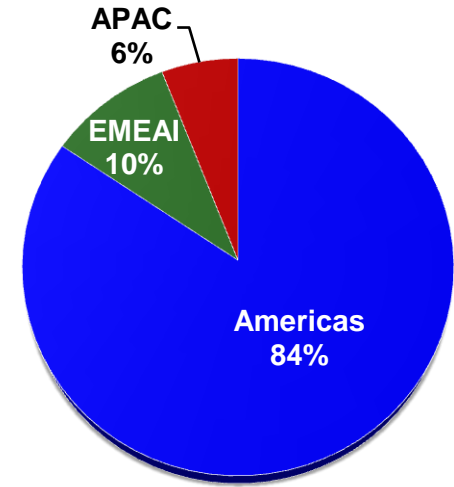
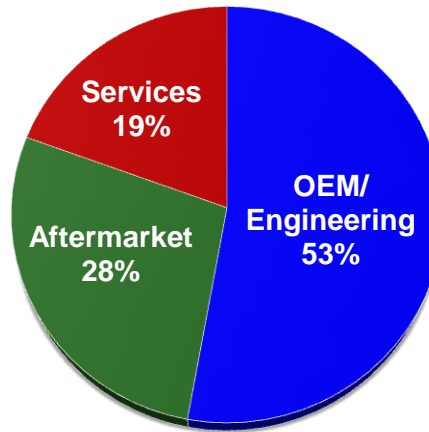
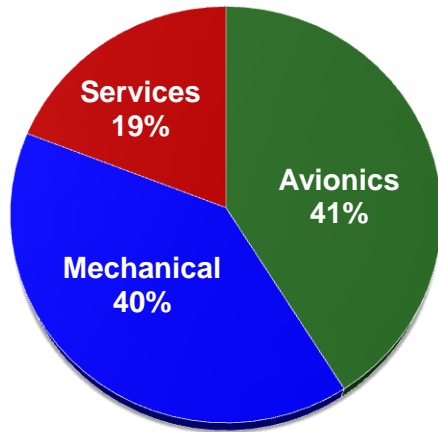
## 6,300 Employees in Germany

- ▲ Transportation Systems
- Automation & Control Solutions (ACS)
- ★ Aerospace
- Specialty Materials
- ◆ Corporate



## Defense & Space - \$5.4B Sales (2010)

### Revenue Profile

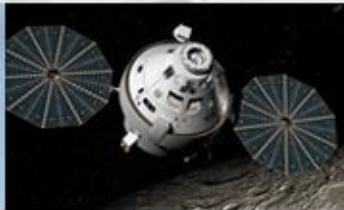


***Balanced Portfolio, Looking to Grow Globally***

## D&S Products & Services Span ~ 300 Platforms



**Fighter/Attack/  
Trainer Aircraft**  
30+ platforms



**Human Space**  
10+ Platforms



**Surface/ Soldier  
Vehicles**  
15+ platforms



**Bomber  
Aircraft**  
3 platforms



**DoD, Civil, and  
Commercial  
Space**  
30+ Platforms



**Military  
Helicopters**  
20+ platforms



**Mobility/Tanker  
Aircraft**  
40+ platforms



**Army, Navy  
and Air Force**  
60+ Platforms



**Naval  
Platforms**  
10+ platforms



**Special  
Mission/ UAV  
Aircraft**  
20+ platforms



**International**  
20+ Platforms



**Commercial  
Helicopters**  
20+ platforms

***Strong Position And Heritage in the D&S Industry***

## Military Aircraft Product Profile

### Engines & Mechanical Systems



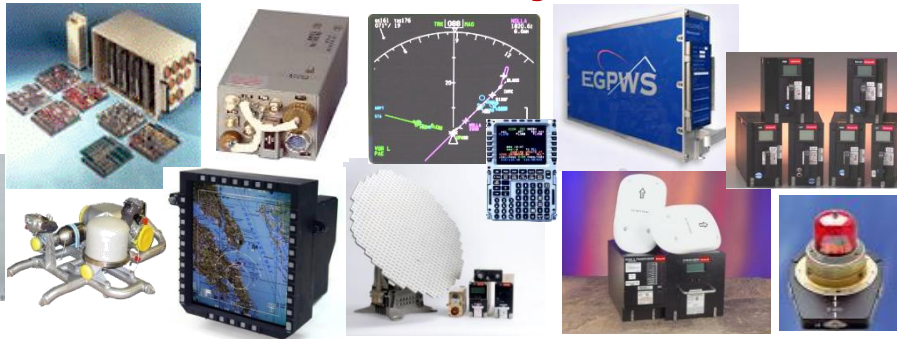
#### Engines & APU

TFE-731  
TPE-331  
F-124  
36-160, -200  
85-180, -185  
331-200, -250  
G250

#### Electric Power & Controls

AC & DC Generators  
EP Conv/Distr  
Ram Air Turbine  
Electronic Fuel Controls  
Flight Controls

### Avionics & Electronic Systems



#### Avionics

Primary Flight & Multifunction Displays  
Display Processors  
Flight Instruments  
Flight Mgmt Systems  
Radar Altimeters

#### Navigation

Inertial Sensors  
INS/GPS Systems  
Non-Inertial Sensors  
Air Data Computer  
Precision Landing Systems

### Services

Logistics



Partnerships



#### Platforms

F/A-18 Super Hornet  
F-22 Raptor  
F-35 Lightning II  
Eurofighter Typhoon  
Gripen  
M346 Advanced Trainer  
T-6 Texan  
B-1, B-2, B-52 Bombers  
C-17 Globemaster  
C-130J Super Hercules  
C-27J Spartan  
P-8 Poseidon  
Predator UAV  
Others...

#### Mech Systems

Wheels & Brakes  
Valves, Starters, Actuation  
Fuel Controls

#### Environmental Controls

Cabin Pressure Sys  
Air & Thermal Mgmt  
Vapor & Air Cycle Sys  
Heat Exchangers  
Gas Processing Sys

#### Surveillance & Safety

Weather Radar  
Ground Proximity Warning Sensors  
Traffic Collision Avoidance Systems

#### Elec Systems

HF Radios, SATCOM  
Data Mgmt & Recorders  
Interior & Exterior Lighting  
Vehicle Health Mgmt

**Broad Based Portfolio Spanning Over 90+ Platforms**

## Helicopter Product Profile



### Engines

### Avionics

### Environmental Controls

### Electrical Power/ESA

### Platforms

T55

HTS900

LTS101

T53

T800

### APUs

APU 36-100

APU 36-150

APU 36-50

APU 36-155

Inertial Navigation

Flight Controls

Air Data Sensors

Primary Flight Displays

Multifunction Displays

Moving Maps

Radar Altimeter

Ground Proximity  
Warning Sensors

Traffic Collision  
Avoidance Systems

Integrated System  
Processor

Display Processors

Weather Radar

Interior/Exterior Lighting

Health, Usage and  
Monitoring Systems

Attitude, Heading, &  
Reference System

Lightning Sensor  
Systems

Communication Radios

Navigation Radios

Transponders

Recorders

Air Turbine  
Starters

Air & Thermal  
Management  
Systems

Airframe  
Hydraulics

Oil Coolers

Vapor Cycle  
Systems

Air Cycle  
Systems

Heat  
Exchangers

Electrical  
Power  
Generators

Electrical  
Power  
Distribution  
Systems

Engine Valves

Airframe Valves

AS350/355

EC130/135

ED150/155

Bell 407

Bell 429

Bell 430

Sikorsky S-92

Sikorsky S-76

CH/MH-47 Chinook

AH-64 Apache

UH/MH-60 Blackhawk

V-22 Osprey

OH-58D Kiowa Warrior

CH-53 Super Stallion

ARH-70

***Broad Based Portfolio Spanning More Than 41 Platforms***

## How Honeywell Supports the Bundeswehr



- **Eurofighter**: APU, ECS, Life Support
- **A400M**: Weather Radar
- **NH90**: Weather Radar
- **Puma IFV**: Nav, Control Handles
- **IdZ-ES**: Non-GPS Navigation
- **Leopard II**: Gyros, Control Handles
- **Tornado**: ECS, Life Support, Gyros
- **PzH 2000**: MAPS Dynamic Ref. Unit
- **C-160**: APU, Weather Radar, Nav
- **UH-1**: Engine, Lighting, Mech. Comp.
- **CH-53**: AFCS, Radar Altimeter, Lighting
- **P-3C**: APU, ECS, Lighting, Mech. Comp.





Thank You!

**Honeywell**