



# Honeywell Technology Solutions Brno

6<sup>th</sup> May 2014, Faculty of Informatics, MU Brno



**Honeywell**

# About Honeywell

- Honeywell is a company that invents and manufactures technologies to address some of the world's toughest challenges linked to global macro trends such as energy efficiency, clean energy generation, safety and security, globalization and customer productivity.
- With approximately **132 000 employees** worldwide, including more than **22 000 engineers** and scientists, we have an unrelenting focus on performance, quality, delivery, value and technology in everything we make and do.



# Honeywell's Divisions - Brno

- **Aerospace**



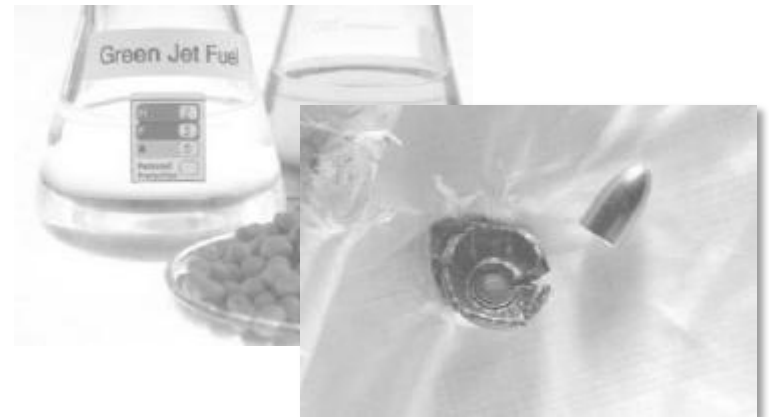
- **Transportation Systems**



- **Automation and Control Solutions**



- **Performance Materials and Technologies**



- **Honeywell developed the first autopilot flight controller (1914), first commercial weather radar system (1954), and first business jet turbofan engine (1975), and still the leader in developing revolutionary technology for aerospace today.**
- **Technologies**
  - Integrated avionics and communications systems
  - Propulsion and mechanical systems and components
  - Conditioned-based maintenance, logistics, and flight management services
  - Full-service solutions for airliners, business and general aviation aircraft, military aircraft, rotorcraft, and spacecraft



# Automation and Control Solution

- **Honeywell is the leader in gas detection, fire systems, personal protective equipment, building controls, home comfort and security, and scanning and mobility.**
- **Technologies**
  - Building control systems; energy management and services
  - Home comfort; building controls; combustion; wiring devices
  - Fire alarm systems; gas detection; personal protective equipment; remote health monitoring
  - Alarm systems; access control/video; low-voltage distribution (ADI); cable and custom electronics
  - Automatic identification and data collection
  - Sensors; switches; mission-critical applications



- **Honeywell pioneered automotive turbocharging 60 years ago and remains the industry leader launching, on average, 100 new turbo applications globally each year.**
- **Technologies**
  - Turbochargers for passenger vehicles (gasoline, diesel, CNG, and hybrid), medium- and heavy-duty trucks, and off-highway, heavy-duty equipment
  - Braking materials and brake pads for cars, commercial vehicles, and rail applications



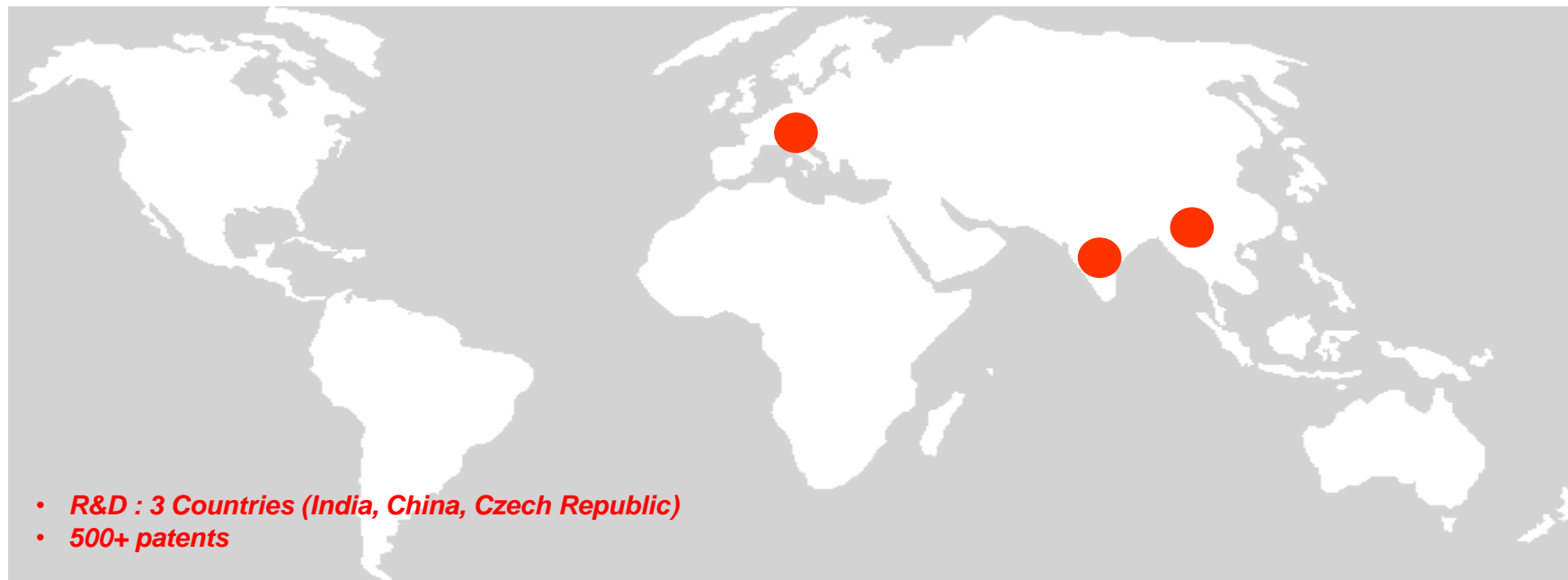
- Honeywell's technology is used to produce more than 60% of the world's gasoline, 67% of the world's paraxylene (a precursor for polyester), and 85% of the world's biodegradable detergents.
- Technologies
  - Process technology, equipment, catalysts, adsorbents, and services for the refining, petrochemical, and natural gas industries
  - Fluorine technology, including non-ozone-depleting and low-global-warming-potential refrigerants and blowing agents
  - Specialty films, additives, and chemicals
  - Advanced fibers and composites for armor and industrial applications, ...

\* *not in Brno*



# Honeywell Technology Solutions (HTS)

Honeywell



- **Enable Honeywell Businesses to develop global products, solutions and services meeting global customer needs, leveraging emerging market talent.**
- **Build capabilities in the products, domains and technologies needed to grow Honeywell's revenues from emerging markets**
- **Enable Cross business synergies which increase the velocity of new products and technologies for both local and global customers.**



- Full-time employees
  - Currently cca 70 open vacancies in Brno
  - C/C++ Developers, Java developers, Quality/Test Engineers, Design Engineers, Project Managers, Software Architects, Team Leaders, IT Administrators, Database Administrators...
  - <http://honeywell.jobs.cz/>
- Master Thesis
  - Every semester several Master thesis topics are opened
  - Cooperation with colleagues from the teams worldwide
  - Examples:
    - ◆ Indicators and Measures on Test Process Efficiency
    - ◆ Integration of Issue Static Code Analysis with Defect Tracking Tool
    - ◆ Effectively Combining Static Code Analysis and Manual Code Reviews

# Honeywell

ACS Center of Technologies

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