

Honeywell is building smarter, safer  
and more sustainable world.



THAT'S THE POWER OF **CONNECTED.**

Connected Aircraft • Connected Automobile • Connected Home • Connected Building  
Connected Plant • Connected Supply Chain • Connected Worker

Tomáš Szaszi

**Honeywell**  
THE POWER OF **CONNECTED**



**1800+**  
 Engineers with strong multi disciplinary skills

**85%**  
 Electronics, Mechanical, Software, Materials, Systems and Program Management Engineers have master's degree or PhD

**27**  
 Different nationalities

Patents granted  
**200+**  
 Strong cooperation with JIC and all Czech Technical Universities  
 Regional Innovation Strategy Connection  
 Cooperation with Startups, SMEs and Industry peers

Patents filed  
**200+**

**Honeywell Technology Solutions, Czech Republic is the most modern R&D hub of Honeywell in Europe**

# Honeywell Technology Solutions (HTS) in Brno

## Aerospace

**Information Systems** - 3D weather simulations in various flight levels

**Embedded development** - avionic instruments, navigation systems, engine controls, satellite communication

**Advanced technologies** – tracking of pilot activity, augmented reality, big data

**Turbo chargers** - design and testing of turbochargers

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# Honeywell Technology Solutions (HTS) in Brno

## Home & Building Technologies

**Internet of Things** – connecting home things to internet

**Big Data** – collection and analysis of data collected from millions of devices worldwide

**Embedded development** - thermostats, security systems, building controls, smart buildings



# Honeywell Technology Solutions (HTS) in Brno

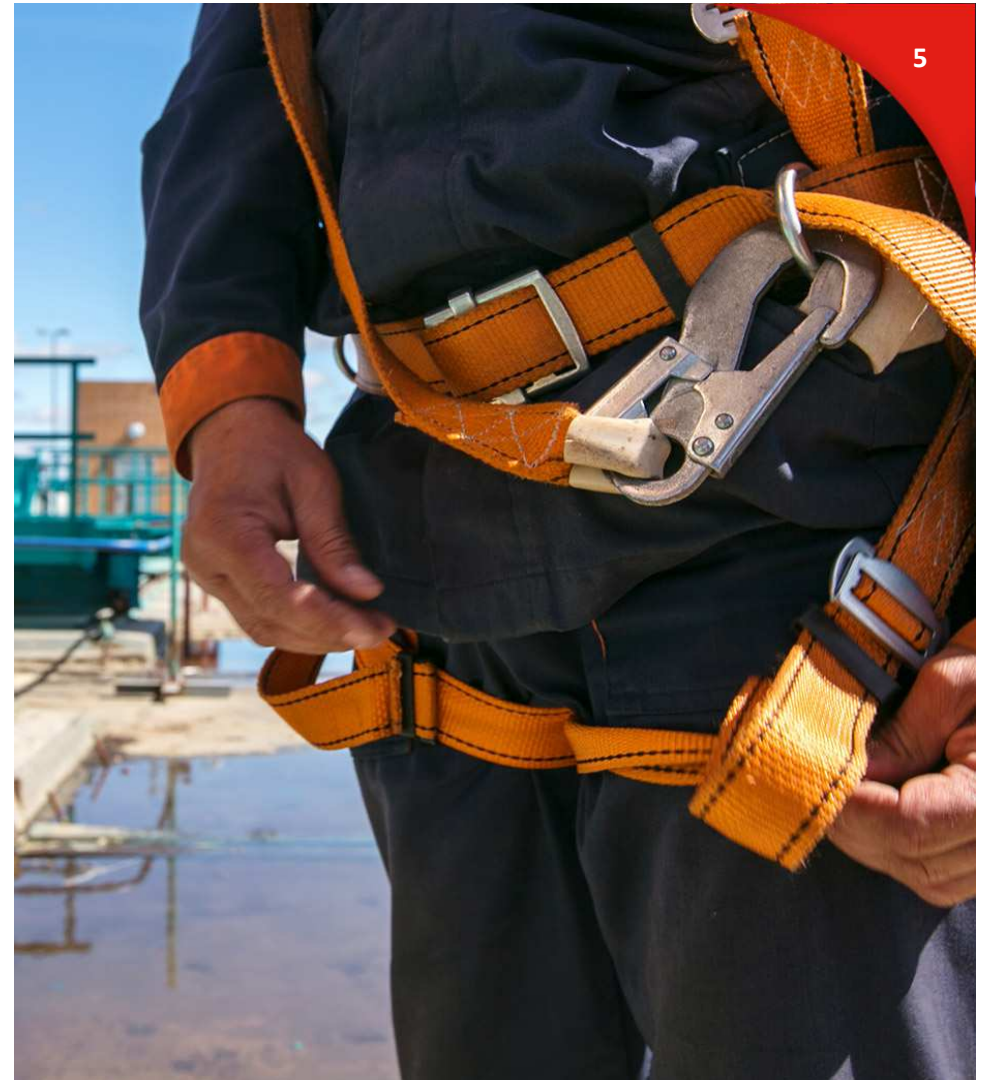
## Safety & Productivity Solutions

**Hearing protection** – products for active and passive hearing protection

**Gas detection** - design of sensors for gas leakage detection

**Fall protection** – design and testing of fall protection equipment

**Footwear** – design of safety shoes for various industry environments





# Final thesis with Honeywell

1. Find your topic within already defined topics  
[honeywell.jobs.cz](http://honeywell.jobs.cz)

**Topic Examples:**

- Applications for remote support in augmented reality
- Advanced video storage and viewer application
- Radar altimeters for space satellite applications
- Software defined radio in aviation
- Distance measurement system for UAV
- Flight test Video Server
- Graphic Processing of Lidar Data

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1a. Contact Bara Buhnova (at Faculty)



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2. Define a new topic

- |                             |                         |
|-----------------------------|-------------------------|
| Mobile/Tablet Applications  | Augmented Reality       |
| Embedded Development        | 3D Graphics             |
| Desktop and Web Development | Model Based Development |
|                             | Safety SW applications  |

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2a. Contact Honeywell



[Katerina.havlova@honeywell.com](mailto:Katerina.havlova@honeywell.com)



## Selected student positions in Brno

Embedded software developer C, C++  
Software developers C, C++, C#, Java or Python  
Automated test engineer  
Test engineer - embedded  
System Administrator

Cloud

Artificial  
Intelligence

IoT

Big Data

Mobile/tablet app

Embedded  
Development

Augmented Reality

3D graphics

Verification and Validation

Satellite Communication

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[Katerina.havlova@honeywell.com](mailto:Katerina.havlova@honeywell.com)

