

## Honeywell in Vietnam

Honeywell is a Fortune 100 diversified technology and manufacturing leader, serving customers worldwide with aerospace products and services; control technologies for buildings, homes and industry; turbochargers; and specialty materials. Based in Morris Township, N.J., Honeywell's shares are traded on the New York, London and Chicago Stock Exchanges.

Honeywell has offices in Hanoi and Ho Chi Minh City. Honeywell's three businesses (Aerospace, Automation and Control Solutions, and Performance Materials & Technologies) have provided the Vietnam market with technologies and services in key markets that range from oil and gas to automotive and aerospace.

Honeywell's corporate social responsibility initiative, Honeywell Hometown Solutions, is an award-winning organization that focuses on five areas of vital importance to communities around the world: Science & Math Education, Family Safety & Security, Housing & Shelter, Habitat & Conservation, and Humanitarian Relief. Together with leading public and non-profit institutions, Honeywell has developed powerful programs to address these needs in the communities it serves.

### **Aerospace**

- Honeywell Aerospace products and services are found on virtually every commercial, defense and space aircraft, and its turbochargers are used by nearly every automaker and truck manufacturer around the world. The Aerospace business unit develops innovative solutions for more fuel efficient automobiles and airplanes, more direct and on-time flights, safer flying and runway traffic, along with aircraft engines, cockpit and cabin electronics, wireless connectivity services, logistics and more. The business delivers safer, faster, and more efficient and comfortable transportation-related experiences worldwide
- In Vietnam, we have established a strong partnership with Vietnam Airlines. We provide Vietnam Airlines with avionics and auxiliary power unit (APU) repair and overhaul services.
- For automobile transport, Honeywell Transportation Systems (TS) is an industry leader developing technologies and innovations in turbocharging as well as braking materials. Honeywell Turbo Technologies is a leading automotive turbocharger supplier providing technology solutions to nearly every major automaker and truck manufacturer in the world. Honeywell turbo launches an average of 100 turbo applications a year and has nearly 500 in its development pipeline enabling fuel-saving and emission-reducing downsized turbocharged engines for passenger vehicles (gasoline, diesel, CNG, and hybrid), medium- and heavy-duty trucks, and off-highway, heavy-duty equipment. Honeywell supplies to original equipment manufacturers as well as the global automotive aftermarket.
- Honeywell turbochargers have been available in Vietnam since 2002.

### **Performance Materials and Technologies**

- Honeywell Performance Materials and Technologies (PMT) is a global leader in developing advanced materials, process technologies and automation solutions. PMT's Advanced Materials businesses manufacture a wide variety of high-performance products, including environmentally friendlier refrigerants and materials used to manufacture end products such as bullet-resistant armor, nylon, computer chips and pharmaceutical packaging. Process technologies developed by PMT's UOP business form the foundation for most of the world's refiners, efficiently producing gasoline, diesel, jet fuel, petrochemicals and renewable fuels. PMT's Process Solutions business is a pioneer in automation control, instrumentation and services for the oil and gas, refining, pulp and paper, industrial power generation, chemicals and petrochemicals, biofuels, life sciences, and metals, minerals and mining industries.
- Honeywell Process Solutions has been rewarded with multiple significant automation projects in Vietnam, including the Nghi Son Refinery & Petrochemical Complex in Thanh Hoa Province, the Te Giac Trang-H5 wellhead platform at Te Giac Trang Field off the southern coast, and Binh Son Refinery.

- UOP has been in a strong partnership with PetroVietnam over the past 20 years. UOP is the main technology licensor for PetroVietnam's Dung Quat Refinery and in partnership with PetroVietnam, has offered a career development program for engineers in Vietnam since 2006. UOP is also the main technology licensor for the Nghi Son Refinery and petrochemicals complex and the Vung Ro Refinery. HPS has supplied control systems and equipment to Vietnam's first oil refinery built in Dung Quat for PetroVietnam as well as other projects of Te Giac Trang (TGT) and Bien Dong. We also supply resins products to key fishing net manufacturers near Saigon and Nha Trang.

## **Automation and Control Solutions**

- Honeywell Automation and Control Solutions (ACS) offer a complete portfolio of innovative products, solutions and systems to create safer, more comfortable, more secure, more productive and more energy efficient environments at home and at work. ACS' seven businesses sell, manufacture and deliver products and services to consumers, businesses and industries in every region of the world. They include Environmental and Combustion Controls (ECC), Honeywell Building Solutions (HBS), Honeywell Fire Safety (HFS), Honeywell Industrial Safety (HIS), Honeywell Security Group (HSG), Honeywell Scanning & Mobility (HSM) and Sensing and Control (S&C). Its products, services and solutions help protect, control and automate 150 million homes, 10 million buildings, thousands of manufacturing and industrial plants, and 24 of the 25 top oil refineries in the world.
- ACS has built an extensive network of local partners, sales and distribution channels for its security, environmental controls, life safety, and building management products and services.

## **Honeywell Hometown Solutions**

- In 2015, Honeywell established multi-media learning centers in three schools in Dak Lak, Central Highland and Ho Chi Minh City, benefiting more than 1,800 students. Each school received tables, chairs, computers preloaded with library software, books, and study materials to support a more conducive learning environment.
- As of 2015, one high school students from Vietnam has participated in the Honeywell Leadership Challenge Academy program at the U.S. Space & Rocket Center in Huntsville, Alabama. This program is to encourage high school students from around the world to pursue STEM-related careers and learn about global STEM opportunities for their future.
- Since 2013, three Vietnamese middle school teachers have received scholarships to attend the Honeywell Educators @ Space Academy program at the U.S. Space & Rocket Center in Huntsville, Alabama. With a focus on science, technology, engineering and math, the training includes simulated astronaut-style exercises, laboratory and professional development, and space exploration.
- In 2013, Honeywell set up its first regional automation college in Vietnam in partnership with PetroVietnam University to provide training for local engineers and address talent shortage in process industry.
- Dinh Quang Tuyen, a chemical engineering student at Hanoi University of Science and Technology, won the 2012 Honeywell Asia Pacific UniSim Design Student Challenge, by using advanced process modeling software to simulate a key petroleum refinery process to help optimize production.

## **CONTACT**

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