

# ABB Automation and Power Center

## Innovation and technology at its best

Constantly changing economic conditions, including fluctuating commodity prices, have a huge impact on how companies operate. With workforce changes and the rapid evolution of technology, companies in all sectors need ways to manage risk and complexity in order to meet their business goals.

ABB is in a unique position to provide integrated solutions to these challenges. Our products, technologies and services help you operate safely, reliably and sustainably across the full energy supply chain, from source to socket.

We designed the Automation and Power Center to showcase the solutions we offer to our industry, transportation and infrastructure, and utility customers, in Houston and around the world. Explore the product displays, experience the latest in ergonomic control room design, tour a virtual reality petrochemical plant, and learn about how ABB's automation, electrical and robotics capabilities have evolved through our company's history. You can even browse our digital library and select white papers, brochures and technical information to send to yourself via email.

Welcome to the ABB Automation and Power Center. We look forward to showing you how we are helping to create a better world, every day.



## Other ABB centers in the US

Smart Grid Center of Excellence  
Raleigh, NC



The Smart Grid Center of Excellence (COE) provides utilities a single point of contact to leverage ABB's proven expertise as a worldwide transmission and distribution (T&D) operations technology (OT) and information technology (IT) system provider. The COE displays many of the products and solutions from ABB's smart grid portfolio and allows utilities to get engaged with live functional demonstrations of cutting-edge smart grid technologies. Through the design and integration of quality products and solutions, ABB is delivering reliability, efficiency, sustainability, customer engagement and operational effectiveness to utilities of any size.

Customer Briefing Center  
Atlanta, GA



The Customer Briefing Center (CBC) includes conference space, plus training and demonstration facilities. The CBC highlights ABB's industry-leading software and deep domain expertise to help the world's most asset-intensive industries, such as energy, utilities and mining, solve their biggest challenges, from plant level, to regional network scale, to global fleet-wide operations.

## To schedule your visit or contact us:

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Houston, Texas

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# Center highlights

## 1. 800xA collaboration table

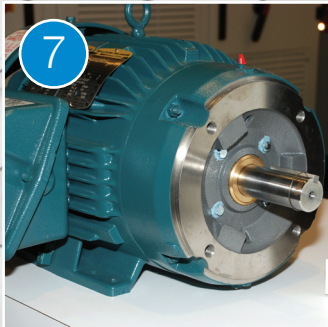
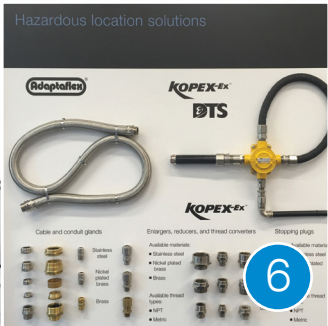
Access critical decision-making data in a whole new way. Ergonomically designed, this 55" touchscreen table offers a real-time overview of KPIs displayed over a 3D rendering of your facility.

## 2. Data center

The products and systems in the Automation and Power Center generate a large amount of data, which must be stored and processed. ABB provides a range of products, integrated solutions and expertise that ensures mission critical facilities operate with optimum reliability and efficiency.

## 3. Collaborative control center

See how you can maximize operator effectiveness through an operator-centered design. From integrated automation, electrical, safety and telecommunications systems to ergonomic operator workstations and remote operations support, the control center highlights the latest technologies to improve your productivity.



## 4. Oculus Rift

Experience a fully immersive tour of a virtual petrochemical plant without leaving the building. Our Oculus Rift experience highlights where ABB's products, systems and services can be found in a facility, and how they interconnect to deliver positive value to your operations.

## 5. Measurement and analyzer products

Whatever your application, ABB offers a wide range of flow, pressure, temperature and level instrumentation, continuous gas analyzers and valve automation solutions. All feature the latest technology and are backed by local service experts to make selection, operation and ownership easy – so you can focus on your business.

## 6. Hazardous location solutions

ABB offers a variety of low voltage, explosion-proof solutions designed to prevent or contain an explosion in classified hazardous locations. We designed these solutions to perform dependably in marine and hazardous area environments and around high-vibration equipment. They can withstand harsh chemicals, extreme temperatures and ultraviolet penetration.

## 7. Motors, drives and power transmission products

Reduce your energy consumption without compromising uptime or safety. High efficiency motors, drives, PLCs and mechanical products from ABB and Baldor bring the best energy efficiency, control and reliability out of any motor-driven application.

## 8. Substation automation

Ensure reliable power transmission and distribution with ABB's Relion® family of protection and control solutions. Our devices offer real intelligence at the point of data collection and have been designed to implement the core values of the IEC 61850 standard.

## 9. SafeGear

ABB's medium-voltage switchgear offers the ideal combination of flexibility, reliability and safety for industrial and utility applications. The ANSI arc-resistant SafeGear model on display features available ABS (American Bureau of Shipping) features and is designed to protect personnel and equipment from harmful arc-flash events.

## 10. Marine academy

In public and private courses, expert instructors provide training on low and medium voltage drives, low and high voltage power distribution, and Coast Guard-approved high voltage safety.