The world’s leading brands are on the job.
At United Technologies, we design, develop and manufacture intelligent products. Each of our brands brings to market innovations that enhance efficiency, comfort, mobility, safety, access and environments in nearly all types of office buildings, all over the world.

We also believe that intelligence goes beyond the smartest possible products. It’s knowing when and how to bring them all together to create environments that help enhance both worker productivity and building efficiency.

We are a collection of world-leading brands in industries ranging from HVAC to automation to elevators and escalators. And now more than ever, we are thinking, innovating, growing and building as one company.

Together, we’re making the world a better place to live and work—one intelligent office building at a time.

---

3. 50% cooling energy savings versus a baseline building per ASHRAE 90. 1-2007 Appendix G. (Carrier HAP version 4.5, 20-story high-rise office building, Charlotte, NC)
4. 46% is achieved compared to a conventional up/down system.

LEED® is a trademark of the U.S. Green Building Council.
For United Technologies, the concept of improve represents our belief in continuous improvement for products, services and operations. Our company’s culture of improvement will not rest when it comes to the natural environment.
Elevator Destination Dispatch

The pace of business today leaves little time for waiting around. In ever-taller office buildings, traditional elevator systems that call a lift regardless of the destination or passenger type slow down the movement of people in peak periods, often resulting in frustration and delays. That’s where the intelligent integration of Otis elevators, Interlogix cameras and a Lenel OnGuard® building access system becomes a solution.

This elevator dispatch system uses Interlogix camera technology to dispatch elevators based on crowd size. Providing enhanced elevator traffic management, the integration also enables validation of ID badges for secure access and elevator car assignment to authorized floors.

This United Technologies integrated solution brings elevated intelligence to office buildings – making the workday run smoother for all types of employees.
Optimized Comfort and Energy Usage

Managing an office building presents a twofold task: maintain the highest levels of comfort and air quality to keep workers happy and productive, all while keeping energy usage – and related costs – to a minimum. Fortunately, United Technologies offers solutions to meet these needs.

Carrier HVAC systems integrate intelligently with Automated Logic’s plant system manager via the WebCTRL® building automation system to optimize chiller plant systems and save energy. The combined solution helps assure the right air settings at the right times by adjusting for building occupancy and weather conditions.

It’s an intelligent way to maintain the best possible conditions for both workers and your bottom line.

Centralized Fire and Security Monitoring

Ensuring safety and security in today’s office building takes many pieces of technology. United Technologies has developed a way to bring them together intelligently, providing a single monitoring system that imports and intuitively displays all critical alarms. This type of integration not only enables faster responses to potential fire and security issues, but also helps reduce overhead costs.

The solution includes the Edwards EST3 fire panel platform and Lenel OnGuard® building access system, seamlessly integrated to notify building managers of fire events and equip them to make informed decisions. Edwards fire panels also work together with the Automated Logic WebCTRL building automation system and the building’s security cameras to allow you to see exactly where the fire is located. Finally, the integration of Otis elevator solutions gives you the ability to send elevators directly to a specific floor in the event of a fire or security issue to assist with safe, efficient evacuation.

By integrating intelligent monitoring solutions, United Technologies is able to simplify and unify otherwise disparate and complex building functions, placing the power to keep workers safer at your fingertips.
An iconic 31-story shopping mall and office complex located at the heart of Tsim Sha Tsui, Kowloon in Hong Kong, the iSQUARE building has turned to the brands of United Technologies to optimize several aspects of its building operations. The project, which marks the latest in this customer’s longstanding partnership with United Technologies, includes a number of integrated solutions designed to enhance building efficiency and the visitor and tenant experience:

- The intelligent integration of Otis elevators and Interlogix cameras has enabled smart video-based elevator dispatching to better manage the building’s high traveler volume every day.

- A variable frequency drive retrofit, including two Carrier AquaEdge™ 19XR chillers, combined with Automated Logic’s WebCTRL® building automation system for chiller plant optimization, remote monitoring and energy management, helps increase efficiency while maintaining comfort.

- Intelligent building management systems integrate EMS Panorama™, an elevator management system, power meters, cameras and chiller plant controls for streamlined operations, reduced overhead and enhanced tenant experiences.
United Technologies intelligent products and solutions are currently in place around the world, making office buildings more secure, convenient, efficient, comfortable and sustainable places to work.

**Shanghai International Finance Center**

Shanghai International Financial Center (IFC), located in the Lujiazui central business district, includes a shopping mall, two office buildings and two five-star hotels. Carrier was initially chosen in 2009 to supply the IFC with nine AquaEdge™ 19XR chillers. In 2011, the AdvanTE³C Center proposed chiller plant optimization solutions that were installed after detailed analysis of the IFC chiller plant historical operating data:

- Carrier HVAC equipment is an integrated part of an overall building system that balances maximum energy efficiency with maximum occupant comfort.
- Through efficient management and customized optimization modules, AdvanTE³C solutions can produce significant chiller plant energy savings.

**7 World Trade Center**

The new building at 7 World Trade Center stands 52 stories tall and houses a range of business tenants. To improve traffic flow while ensuring optimal access control and security, 7 World Trade Center partnered with United Technologies building technology brands:

- Otis CompassPlus™ advanced destination management system reduces elevator wait times by grouping passengers in the lobby based on their selected destination floors. This provides a personalized passenger experience, while saving energy.
- The Otis CompassPlus™ system is also integrated with Lenel access control solutions. This ensures secure access for authorized workers and tenants, while also reducing travel times by automatically calling the appropriate elevator for that floor.
United Technologies is the world’s largest provider of building technologies. Our elevator, escalator, fire safety, security, building automation, heating, ventilation, air-conditioning and refrigeration systems and services promote integrated, high-performance buildings that are safer, smarter and more sustainable. From design, planning and project management through ongoing service, aftermarket support and retrofits, United Technologies is here to provide complete solutions for the entire building system lifecycle.

Through intelligent integration, United Technologies solutions make the world a better place to live. Our products help building tenants and visitors travel efficiently to their destinations, enjoying shorter elevator wait times. We help building managers reduce energy consumption and facility operating costs while providing improved air quality and a safer environment. Great things are possible when products work together seamlessly—and it all starts with one intelligent choice.