Willis Carrier
a sustaining vision

One hundred and sixteen years ago, a humble but determined engineer solved one of mankind’s most elusive challenges by controlling the indoor environment. A leading engineer of his day, Carrier would file more than 80 patents over the course of his career. His genius would enable incredible advancements in healthcare, manufacturing processes, research, building capacities, food preservation, transportation, art and historical conservation, general productivity, indoor comfort and much more.

Carrier’s foresight changed the world forever and paved the way for over a century of once-impossible innovations. Yet, in addition to being an accomplished inventor, he was also an avid outdoorsman. Carrier recognized the power and beauty of the natural environment. This appreciation of our world and its resources continues to guide Carrier today.

Harnessing the same vision and determination Willis did so many years ago, the men and women of Carrier work every day to accomplish more with less and preserve resources for future generations. We have a unique willingness to develop new technology, the confidence to revise proven designs and the ability to deliver results with every new installation.

Above all, we will never rest on our accomplishments, but instead consistently look for ways to improve — our products, our environment and our world.

Willis wouldn’t have it any other way.

The Future of the World Depends on Our Ability... to Sustain It.

The word “improve” represents Carrier’s belief in continuous improvement of our products and services, our customers’ experience and our environmental impact.

Whether it’s reducing our greenhouse gas impact, leading the phase-out of ozone-depleting refrigerants or introducing many of the world’s most energy-efficient building solutions, at Carrier, we incorporate sustainability into all that we do. To us, it’s only natural.

1-800-CARRIER carrier.com/commercial

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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.
A World of Comfort

Founded by the inventor of modern air conditioning, Carrier is a world leader in high-technology heating and air-conditioning solutions.

Carrier experts provide sustainable solutions, integrating energy-efficient products, building controls and energy services for commercial customers.

chillers

AquaSnap® 30RA Scroll Chillers
10 to 150 Tons (50 & 60Hz)
HFC Puron® Refrigerant (R-410A)
ASHRAE 90.1 Compliant, AHRI Certified

AquaSnap® 30RB Scroll Chillers
60 to 360 Tons
HFC Puron® Refrigerant (R-410A)
ASHRAE 90.1 Compliant, AHRI Certified

AquaForce® 30XA Screw Chillers
80 to 500 Tons
HFC-134a
Exceeds ASHRAE 90.1-2016, AHRI Certified

AquaSnap® 30MP Scroll Chillers
16 to 71 Tons
HFC Puron® Refrigerant (R-410A)
ASHRAE 90.1 Compliant, AHRI Certified

AquaEdge® 19DV Advanced Two-Stage Compression with Ceramic Bearing and Greenspeed® Intelligence
350 to 600 Tons
HFO-123zd(E)
Exceeds ASHRAE 90.1/FEMP Heat Recovery, Free Cooling & Comfort Cooling

AquaEdge® 19XR(V) Constant- or Variable-Speed Centrifugal Chillers Single-Stage
200 to 1,600 Tons
HFC-134a or HFC/HFO-513A
ASHRAE 90.1 Compliant, AHRI Certified

AquaEdge® 30XV Screw Chillers with Waterside Economizer
140 to 500 Tons (50 & 60Hz)
HFC-134a
Exceeds ASHRAE 90.1-2016, AHRI Certified

AquaEdge® 23XRV Variable-Speed Screw Chillers with Greenspeed® Intelligence
150 to 400 Tons
HFC-134a
ASHRAE 90.1 Compliant, AHRI Certified

AquaEdge® 19MV Advanced Two-Stage Compression with Magnetic Bearing and Greenspeed® Intelligence
300 to 760 Tons
HFC-134a or HFC/HFO-513A
Exceeds ASHRAE 90.1, AHRI Certified, ASME Certified, Wide Operating Envelope

AquaEdge® 23XR(V) Constant- or Variable-Speed Screw Chillers Two-Stage
600 to 3,400 Tons
HFC-134a or HFC/HFO-513A
ASHRAE 90.1 Compliant, AHRI Certified

AquaEdge® 23XRV Variable-Speed Screw Chillers
3,000 to 5,500 Tons
HFC-134a or HFC/HFO-513A
ASHRAE 90.1 Compliant, AHRI Certified

AquaForce® 30HX Screw Chillers
75 to 265 Tons
HFC-134a
ASHRAE 90.1 Compliant, AHRI Certified

AquaEdge® 17DA Open-Drive Centrifugal Chillers
3,000 to 5,500 Tons
Motor or Steam Turbine Driven
HFC-134a
ASHME Certified

The AquaEdge® 23XRV is the world’s leading efficiency screw chiller, 42% better than industry standard.**

**Among electric-driven, water-cooled chillers as mentioned by Integrated Part Load Value conditions based on ASHRAE 90.1 2010 minimum requirement.

*AHRI certified for units within the scope of the AHRI 550/590 certification program.
**Central Station Air Handlers**

- **Aero® 39M**
  - 1,500 to 60,500 cfm
  - ASHRAE 62.1 Compliant, AHRI Certified

- **Aero® 39L**
  - 1,800 to 15,000 cfm
  - ASHRAE 62.1 Compliant, AHRI Certified

- **Aero® 39S**
  - 400 to 8,500 cfm
  - ASHRAE 62.1 Compliant, AHRI Certified

**Carrier Custom AHU 39CC**

- 10,000 cfm and above
- Custom air-handling equipment for commercial, industrial and health care applications.

**Carrier OptiClean™ Dual-Mode Air Scrubber & Negative Air Machine FN1AAF**

- 600 to 1,500 cfm
- 99.97% efficient, long-life HEPA filter removes particles as small as 0.3 microns.

**Axis™ 35J Single Duct Retrofit Terminals**

- 23 to 3,700 cfm
- AHRI Certified

**Axis™ 35L/N Dual Duct VAV Terminals**

- 50 to 7,100 cfm
- Side-by-Side or Mixing Design
- AHRI Certified

**Axis™ 35K Bypass Terminals**

- 45 to 4,400 cfm
- AHRI Certified

**Axis™ 4S Dual Duct VAV Terminals**

- 600 to 4,000 cfm
- AHRI Certified

**Axis™ 45L/N Series/Parallel Quiet Flow Fan-Powered Terminal Units for VAV Systems**

- 90 to 3,900 cfm
- AHRI Certified

**Axis™ 45K/N Series/Parallel Low-Profile Fan-Powered Terminal Units for VAV Systems**

- 90 to 1,550 cfm
- ECM Motor
- Sensible Cooling
- AHRI Certified

**45D DOAS Terminals**

- 100 to 2,000 cfm
- AHRI Certified

**ActivAIR® 36IB Induction Beams**

- 70 to 1,265 cfm
- AHRI Certified
- Active Models
- Sensible and Latent Cooling Capability

**WeatherMaster® 36S Induction Air Terminals**

- 20 to 130 cfm
- 2 or 4 Pipe Designs

**AirStream™ 42B Belt Drives**

- 600 to 4,000 cfm
- ETL Listed
- IBC Seismic Compliant

**AirStream™ 42C Horizontal**

- 200 to 1,200 cfm
- AHRI Certified
- ETL Listed
- IBC Seismic Compliant

**AirStream™ 42D Ducted**

- 600 to 3,000 cfm
- AHRI Certified
- ETL Listed
- IBC Seismic Compliant

**AirStream™ 42S Stack**

- 300 to 2,000 cfm
- AHRI Certified
- ETL Listed

**AirStream™ 42WKN Hydronic Cassette Fan Coil Units**

- 0.75 to 3 Tons
- ETL Listed

**AirStream™ 42B Vertical**

- 200 to 1,200 cfm
- AHRI Certified
- ETL Listed

**AirStream™ 40UV, UH Unit Ventilators**

- 500 to 2,000 cfm
- AHRI Certified
- ETL Listed
**Packaged Rooftop Units**

**WeatherExpert** 48LC, 50LC
- 6 to 23 Tons
- Ultra High Efficiency
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherExpert** with EcoBlue™ Technology 48JC, 50JC
- 3 to 5 Tons
- Select Models
- High Efficiency
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherMaster** 48HC, 50HC
- 3 to 5 Tons
- High Efficiency
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherMaster** 50HCQ
- 6 to 10 Tons
- High Efficiency
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherMaster** with EcoBlue™ Technology 48JC, 50JC
- 3 to 5 Tons
- High Efficiency
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherMaker** 48TC, 50TC
- 7.5 to 27.5 Tons
- High Efficiency
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherMaker** 50TCQ
- 7.5 to 20 Tons
- Standard Efficiency
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherMaster** 48/50A Series
- 20 to 60 Tons
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherMaker** 48/50P Series
- 30 to 100 Tons
- HFC Puron Refrigerant (R-410A)
- IECC Compliant, AHRI Certified

**WeatherMaker** 48/50N Series
- 75 to 150 Tons
- HFC Puron Refrigerant (R-410A)
- IECC Compliant

**Performance** 50VG, 48VG
- 5 to 5 Tons
- High Efficiency
- HFC Puron Refrigerant (R-410A)

**Performance** 50VR, 48VR
- 2 to 5 Tons
- Package Cooling with Gas Heat
- HFC Puron Refrigerant (R-410A)

**Comfort** 50VL
- 2 to 5 Tons
- Package Cooling with Electric Heat
- HFC Puron Refrigerant (R-410A)

**Comfort** 50VT
- 2 to 5 Tons
- Package Cooling with Gas Heat
- HFC Puron Refrigerant (R-410A)

**Comfort** 48VL
- 2 to 5 Tons
- Package Cooling with Gas Heat
- HFC Puron Refrigerant (R-410A)

**Comfort** 50ZP
- Packaged Air Conditioner
- 5 to 20 Tons
- HFC Puron Refrigerant (R-410A)

**Comfort** 50ZT
- Packaged Heat Pump
- 5 to 20 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PSH, 50PSV
- Horizontal/Vertical Upflow
- 0.5 to 6 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50VQP
- Vertical Large Capacity
- 6 to 30 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50MV
- Water-to-Water Units
- 3 to 35 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PCH, 50PCV
- Compact Units
- 0.5 to 6 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PCH, 50PCH, 50PSW
- Horizontal/Vertical Upflow
- 0.5 to 6 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PSH, 50PSV
- Horizontal/Vertical Upflow
- 0.5 to 6 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PCH, 50HVQ
- Vertical Large Capacity
- 6 to 30 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PSH, 50PSV
- Horizontal/Vertical Upflow
- 0.5 to 6 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50VQP
- Vertical Large Capacity
- 6 to 30 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50VQP
- Vertical Large Capacity
- 6 to 30 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PCH, 50PCV
- Compact Units
- 0.5 to 6 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PCH, 50PCH, 50PSW
- Horizontal/Vertical Upflow
- 0.5 to 6 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PSH, 50PSV
- Horizontal/Vertical Upflow
- 0.5 to 6 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50PCH, 50HVQ
- Vertical Large Capacity
- 6 to 30 Tons
- HFC Puron Refrigerant (R-410A)

**Aquazone** 50VQP
- Vertical Large Capacity
- 6 to 30 Tons
- HFC Puron Refrigerant (R-410A)

**Omnizone** 50BH
- 18 to 60 Tons
- HFC Puron Refrigerant (R-410A)

**Omnizone** 50BV
- 18 to 60 Tons
- HFC Puron Refrigerant (R-410A)

**Omnizone** 50XC
- Water-Cooled/Air-Cooled
- Remote Air-Cooled
- 5 to 20 Tons
- HFC Puron Refrigerant (R-410A)

**EnergyX® System**
- Energy Recovery Ventilators (ERV)
- WeatherMaster® Rooftops

**Packaged Cooling with Gas Heat**
- Reheat Package

**Packaged Cooling with Electric Heat**
- High Efficiency

**Packaged Heat Pump**
- Hybrid Heat Dual Fuel Heat Pump
- HFC Puron Refrigerant (R-410A)

**Packaged Rooftop Units**

**Packaged Products**
**User Interfaces**

The i-Vu® Building Automation System has a variety of user interfaces to make it easy for facility managers to monitor and control all of their building systems.

- i-Vu® web appliances
- i-Vu® web-based software for PC
- i-Vu® Touch local user interfaces

**Application-Specific Controllers**

Carrier has application-specific i-Vu® controllers available for all of your system needs. All controllers come with pre-engineered and pre-programmed control algorithms, making equipment easy to configure, commission and operate. All controllers speak native BACnet® and include built-in graphics, trends and alarms for use with our i-Vu® user interfaces.

**Programmable Controllers**

Our general purpose i-Vu® controllers are used on HVAC equipment and other building systems so that the i-Vu® system can monitor and control them. All controllers speak native BACnet® and include built-in graphics, trends and alarms for use with our i-Vu® user interfaces.

**Typical Applications:**
- Air Handlers
- Chiller Plants
- Meters
- Fans
- Lights
- Custom Control Sequences

**Integration Modules/Routers**

Expand your control system easily using Carrier i-Vu® routers and i-Vu® links. The i-Vu® router provides BACnet® routing capabilities between its control system’s Ethernet backbone (BACnet/IP), and a subnetwork of Carrier controllers, (MS/TP, Arcomet or CCN).

Carrier i-Vu® link allows you to integrate other manufacturers’ equipment into the control system. Support for BACnet®, Modbus® and LonWorks® protocols is standard, making it easy to tie in equipment such as VFDs, boilers and lighting.

**Plant Control and Optimization**

The Carrier ChillerVu™ plant control system combines application-specific hardware and proprietary software to deliver total plant room automation and improved energy efficiency. Combining the ChillerVu™ plant control system with the ChillerVu® chilled water system optimizer results in complete chilled water system energy optimization, reducing overall system energy consumption, while ensuring occupant comfort, improving system reliability and minimizing system downtime.

- Advanced sequencing
- Preconfigured plant room graphics
- Preconfigured energy dashboards
- Water system optimization via intelligent setpoint reset

**Sensors**

Sensors are the eyes and ears of the control system, allowing controllers to match comfort and indoor air quality requirements with equipment operation. Carrier offers the following options:

- Wired/Communicating
- Temperature
- CO₂
- Humidity
- Motion
- Light Level

**VVT® Zone Dampers**

For variable volume/variable temperature systems, the VVT® system includes a selection of round and rectangular dampers. The factory-integrated VVT® zone controller maintains space temperature by modulating the supply airflow, while a separate bypass damper is used to modulate system pressure.

**Edge® Pro and Comfort™ Pro Thermostats**

- Controls up to 3 stages heat and 2 stages cool
- Compatible with gas/electric heat fan coils and heat pumps
- 7-day programmable
- Humidity control capable
- Separate heating and cooling setpoints
- Auto-changeover
- Energy-saving smart fan
- Large backlit displays
- No batteries required
- Flexible mounting options

**Typical Applications:**
- Fans
- Meters
- Chiller Plants
- Air- and Water-Cooled Chillers
- Rooftop Units, Air-Handling Units
- VVT
- Zone Dampers
- Water system optimization via chilled water system optimizer
- Preconfigured energy dashboards
- Preconfigured plant room graphics
- Separate heating and cooling setpoints
- Auto-changeover
- Energy-saving smart fan
- Large backlit displays
- No batteries required
- Flexible mounting options

**Others**

- Air- and Water-Cooled Chillers
- Fan Coils and Unit Ventilators
- Water Source Heat Pumps
- Rooftop Units, Air-Handling Units
- VVT
- Zone Dampers
- Water system optimization via chilled water system optimizer
- Preconfigured energy dashboards
- Preconfigured plant room graphics
- Separate heating and cooling setpoints
- Auto-changeover
- Energy-saving smart fan
- Large backlit displays
- No batteries required
- Flexible mounting options

**Carrier**

Carrier is the inventor of modern air conditioning. Carrier continues to help make everyday life better through the comfort of its products, every day.

**Thermostats**

Edge Pro and Comfort Pro thermostats are designed to help improve indoor air quality, offering features like 7-day programming, separate heating and cooling setpoints, and energy-saving smart fans.

**Water-Cooled Chillers**

Water-Cooled Chillers provide efficient cooling for various applications, including data centers, hospitals, and large industrial facilities.

**Packaged Rooftops**

Packaged Rooftops are ideal for commercial buildings, offering a compact solution for heating and cooling needs.

**Water Source Heat Pumps**

Water Source Heat Pumps are highly energy-efficient, making them an ideal choice for residential and commercial applications.

**Building Automation Systems**

Building Automation Systems from Carrier optimize energy efficiency and comfort, ensuring that buildings are as comfortable and energy-efficient as possible.

**Commercial Controls**

Commercial Controls are designed for commercial buildings, offering advanced features and capabilities to improve indoor air quality and energy efficiency.

**Improves Building Performance and Reduces Operating Costs**

The i-Vu® Open Control System enables system optimization and energy efficiency by monitoring and measuring equipment and overall building performance.
Leaders in HVAC Engineering Software

HVAC Analysis Tools. With its eDesign Suite software, Carrier has been an industry leader in providing HVAC engineering analysis tools since 1981. The flagship software tool in the eDesign Suite is the Hourly Analysis Program (HAP), a multifunctional tool that combines features for peak load estimating, system design, whole building energy modeling, LEED® analysis and energy modeling for schematic design. Other eDesign Suite tools include System Design Load, a dedicated peak load and system design tool; Block Load, a peak load and system design tool streamlined for speed; Building System Optimizer, a tool for rapid energy modeling; Engineering Economic Analysis, a lifecycle costing tool; and Refrigerant Piping Design. eDesign Suite programs are licensed to users through local Carrier sales offices or Carrier distributiorships. The software is continually updated to keep pace with the demands of our ever-changing industry. Further information on software features and license costs can be found at carrier.com/commercial/en/us/software.

Product Selection Tools. Carrier also offers the Carrier Electronic Catalog (E-CAT), a fully integrated suite of tools for selecting, configuring and generating thermal, electrical and acoustical performance data for Carrier commercial HVAC products. Tools in this suite cover rooftop units, split systems, dedicated outdoor air (DOAS) units, self-contained units, fan coils, unit ventilators, water source heat pumps, induction terminals and air terminals. These tools are continually updated to keep pace with new product introductions. The software is available through the HVACPartners.com customer portal.

Software Support and Training. All Carrier eDesign Suite and E-CAT software is backed by free support for licensed users. In addition, for-fee software training is offered in cities across the U.S. and Canada every year. Training covers peak load estimating and system design, whole building energy modeling, applying HAP to the LEED analysis, and Advanced Modeling Techniques. Support and training are provided by a dedicated team of HVAC engineers, part of Carrier University™, who have decades of experience as consulting engineers, application engineers and HVAC sales engineers.

Carrier Commercial HVAC Mobile Apps

Carrier Rooftops app
The first of its kind in the industry, the Carrier Rooftops app enables you to perform on-the-spot selection of light commercial rooftop units for replacement or new construction.
- Provides contact information for your local sales office
- Provides roof-curb adapter info on replacement jobs
- Enables customers to perform on-the-spot selection of water- or air-cooled chillers for replacement or new construction projects.
- Displays product information including options and accessories
- Provides contact information for your local sales office
- Sends a detailed product page through email
- Provides cloud-based data updates to keep app current

Carrier Chiller app
Enables customers to perform on-the-spot selection of water- or air-cooled chillers for replacement or new construction projects.
- Displays product information including options and accessories
- Provides contact information for your local sales office
- Sends a detailed product page through email
- Provides cloud-based data updates to keep app current

information at the click of a button
Leaders in HVAC Building Solutions

Partnering with Carrier Commercial Service brings with it the security of knowing that every facet of your investment is being carefully monitored, analyzed, maintained, and documented. This practice initiates with your very first contact with us and will endure over the entire lifetime of your facility. Carrier Commercial Service provides BluEdge™, a new best-in-class service and aftermarket offering exclusively for customers and partners across the Carrier enterprise (HVAC, Refrigeration, Fire & Security). Central to BluEdge is a progressive, tiered service model. Customers of any size can enjoy the confidence delivered by best-in-class support from BluEdge.

Leaders in Temporary HVAC Solutions

Ensure that everyone stays cool with Carrier Rentals temporary cooling solutions. With immediate 24-hour availability of chillers, air conditioning units, boilers, pumps, dehumidification, and other HVAC equipment, you can be sure to get the right systems for critical areas of your facility. A pre-designed response plan allows for “peace of mind” so that in case of an emergency, where time is of the essence, all pre-set-up work has been completed and the equipment is mobilized as designed. Carrier Rental Systems’ factory-trained experts deliver turnkey temperature control, dehumidification and power solutions along with 24-hour customer care.

Spot Coolers

Since 1985, Spot Coolers has been a leader in helping facility managers keep their operations moving forward when faced with heating and cooling failures, planning for scheduled outages or simply needing supplemental capacity. Our passionate experts focus solely on portable solutions across various industries; from corporate offices and manufacturing facilities to school campuses and medical complexes.

Leaders in HVAC Building Solutions

Operate, Service and Protect
• Start-up service
• Extended warranty protection
• BluEdge service agreements
• BluEdge Digital service
• Predictive maintenance
• Refrigerant management
• Repairs and emergency service
• Consulting engineering

Retrofit, Upgrades and Optimization
• Equipment overhaul and modernization
• Turnkey replacement solutions
• Equipment optimization
• Energy savings solutions
• Building management solutions
• Engineered services

Visit us at carrier.com/service or call 800-379-6484

Why Rent?
• Equipment failure
• Planned shut-downs
• New construction projects
• Supplement existing equipment
• Special events and projects

Services Provided
• Application engineering
• Contingency planning
• Emergency response
• Installation and teardown
• Turnkey support

Visit us at carrier.com/rentals or call 800-586-6036

Spot Coolers

What We Offer
• Versatile machines that create efficiency and cut cost
• Little to no installation – just plug in and go
• 1 – 12 ton air-cooled, water-cooled, heat pump, portable AC
• 1.5 – 60kW electric test
• Dehumidifiers
• Air scrubbers/ negative air machines
• Custom solutions
• Rentals and sales
• All units stored indoors

Visit us at spot-coolers.com or call 800-367-8675

experts installations

San Bernardino City Unified School District (K-12 Education)
San Bernardino, CA

Challenge: Deliver a high degree of indoor air quality (IAQ) and promote a healthier and safer environment for each student, faculty and staff member who would be entering each building and space.
Solution: OptiClean™ air scrubber units delivered a “plug and play” IAQ solution air changes per hour exceeded MERV 13. Quiet operation and procurement utilized California Multiple Awards Schedule (CMAS), which allowed the district to use a pre-purchase contract to expedite approvals and ensure best pricing.
Equipment: 3,723 Carrier OptiClean air scrubber units. Available in 500 and 1,500 CFM, and horizontal or vertical configuration.

Visit us at carrier.com/security or carrier.com/service

University Hospitals AshTabula Health Center (Healthcare/Mixed Use)
AshTabula, OH

Challenge: Transform an open-plan retail space within a mall with legacy chillers and cooling towers into a modern healthcare facility with precise comfort cooling control.
Solution: Specified high-efficiency gas heat and electric cooling units with variable air volume (VAV) boxes with steam capability to provide precise year-round comfort to individual office areas.
Equipment: Three Carrier 40A WeatherMaker® rooftop units, 39 Carrier 35E Axia™ VAV boxes, Carrier i-Vu™ building automation system (BAS).

The Verizon Hotel of Basing Ridge (Lodging)
Basing Ridge, NJ

Challenge: Address inadequate comfort cooling from two existing air-cooled chillers, reduce existing service costs and implement solution without facility usage interruption.
Solution: Provided high-efficiency chillers that uniformly stream operating data to the cloud to ensure optimal performance and uptime.
Equipment: Two Carrier 30XV AquaForce® air cooled, variable speed screw chillers; Carrier SMART Service.

7th Street Public Market (Retail)
Charlotte, NC

Challenge: Deliver an energy-efficient HVAC solution for a new building to support sustainability goals and provide a comfortable indoor environment for students and administrators.
Solution: Installed two heat recovery chillers to provide simultaneous heating/cooling. Water pumped into pre-existing hot water loops and cooling to multiple campus buildings connected to the chilled plant.
Equipment: Two Carrier 30XW AquaForce® heat recovery chillers.

University of Alabama in Huntsville (Higher Education)
Huntsville, AL

Challenge: Replace outdated and inefficient single-zone HVAC system with a more efficient and versatile multi-zone system.
Solution: High degree of flexibility, high efficiency, reduced operating costs and smaller footprint for outdoor variable refrigerant flow (VRF) units.
Equipment: Two Toshiba Carrier VRV heat pumps, six vertical air-handling units.

Visit us at carrier.com/service or carrier.com/security