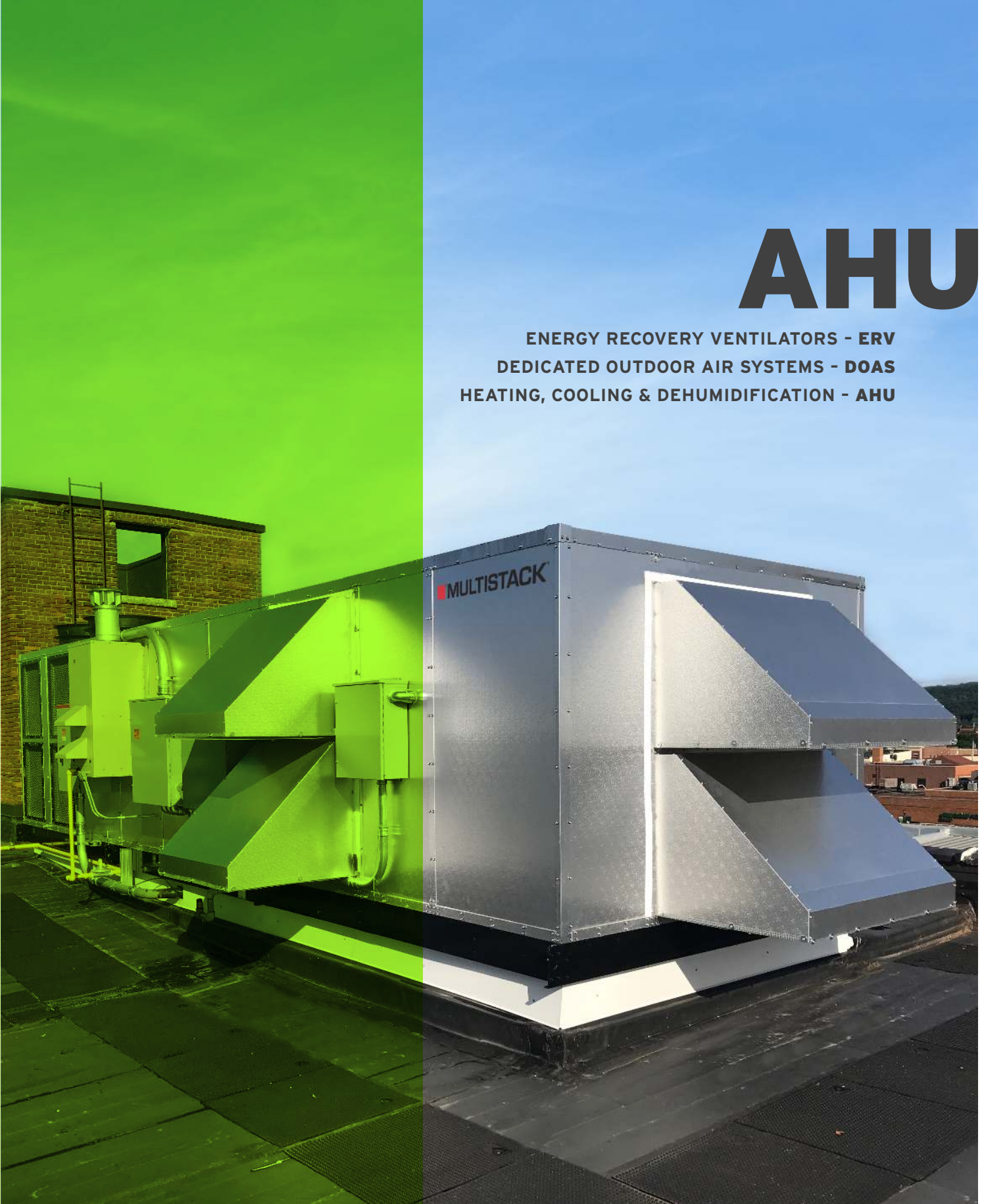


AHU

ENERGY RECOVERY VENTILATORS - ERV
DEDICATED OUTDOOR AIR SYSTEMS - DOAS
HEATING, COOLING & DEHUMIDIFICATION - AHU



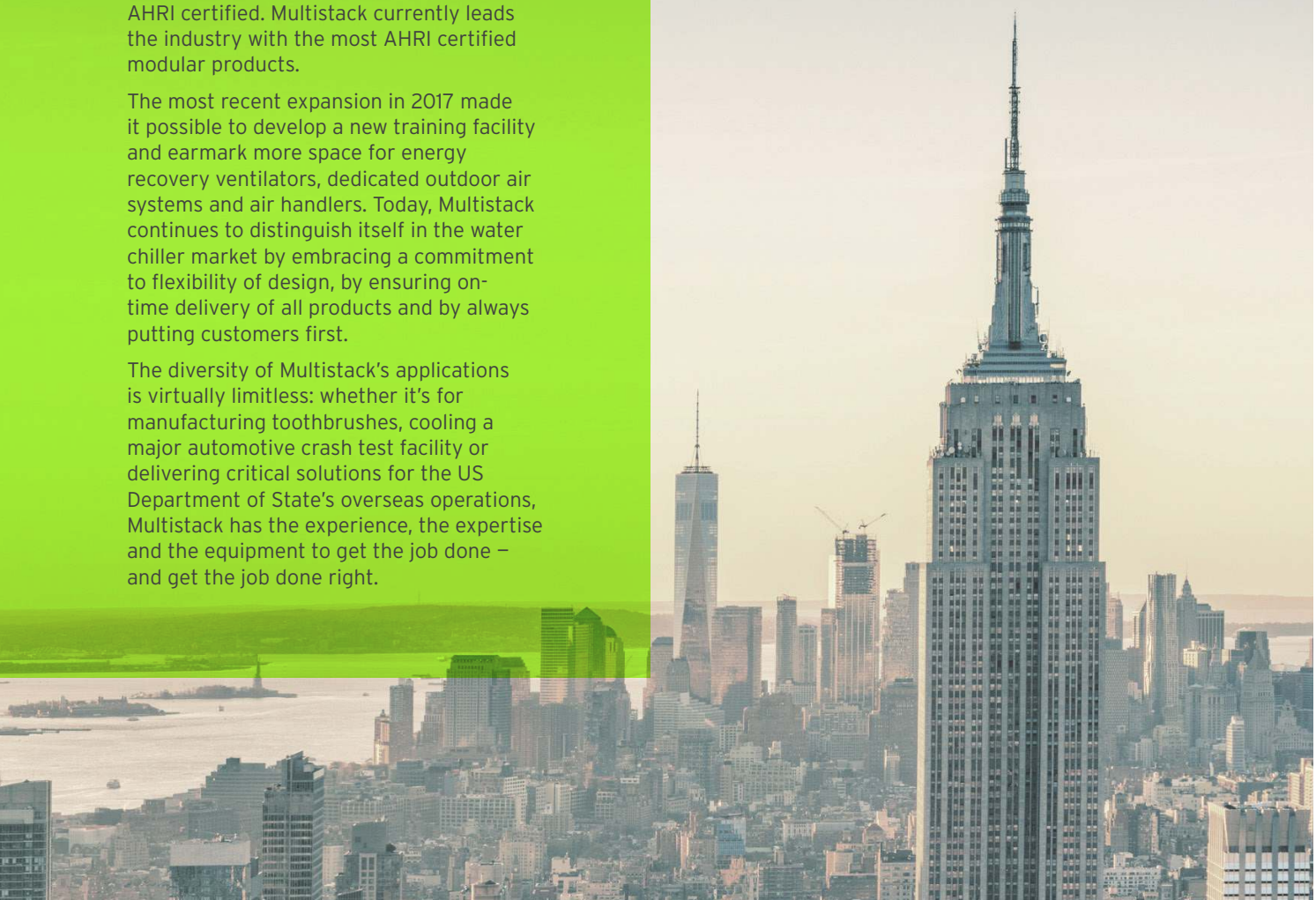
MULTISTACK was founded in 1989 by three highly respected, visionary HVAC industry executives. As pioneers in the North American modular water chiller market, they established a manufacturing process in West Salem, Wisconsin, and set up a continent-wide distribution network.

Multistack's game-changing technology took root in the 1990s. CEO Charles Kenyon joined the company in 1996. In conjunction with a small group of private investors, he led a management buyout of Multistack in 2002. This transaction ensured the company's ongoing independence and continued focus on its primary market of modular water chillers.

In 2006, Multistack moved into a new state-of-the-art 70,000 sf facility in Sparta, Wisconsin, to combine development, testing, manufacturing, and administration under one roof. In 2009, it became the first modular chiller manufacturer to be AHRI certified. Multistack currently leads the industry with the most AHRI certified modular products.

The most recent expansion in 2017 made it possible to develop a new training facility and earmark more space for energy recovery ventilators, dedicated outdoor air systems and air handlers. Today, Multistack continues to distinguish itself in the water chiller market by embracing a commitment to flexibility of design, by ensuring on-time delivery of all products and by always putting customers first.

The diversity of Multistack's applications is virtually limitless: whether it's for manufacturing toothbrushes, cooling a major automotive crash test facility or delivering critical solutions for the US Department of State's overseas operations, Multistack has the experience, the expertise and the equipment to get the job done – and get the job done right.



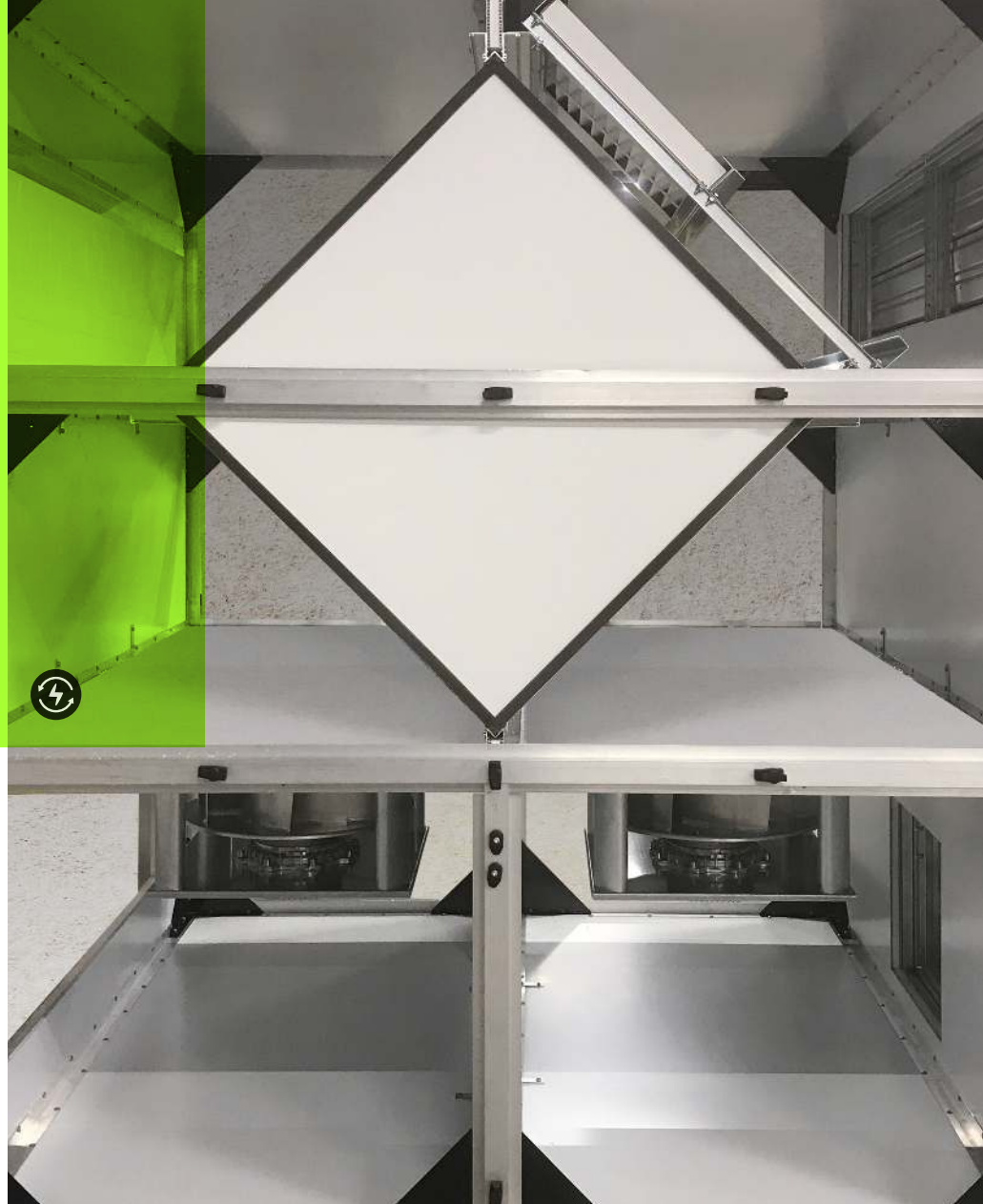
-  ENCLOSURE
-  AIR
-  CHILLED WATER
-  ENERGY RECOVERY
-  DX COOLING
-  CONDENSER
-  HEATING
-  FILTRATION



ENERGY RECOVERY VENTILATORS

FIXED PLATE ENERGY RECOVERY

- Sizes from 200 to 20,000 cfm
- Sensible and latent heat recovery
- Reduces outside air load
- Great performance at low temperatures
- No moving parts
- Simple maintenance
- Stand alone units
- No condensate pan
- Virtually zero leakage
- Available in a variety of configurations
- Double wall painted aluminum construction



- Foam insulation
- Indoor and rooftop
- Fanned and non-fanned
- Flexible air configurations
- Direct drive plenum fans

- Available in a variety of configuration
- AC or EC Motors
- Internal Bypass for free cooling
- Cooling coils – DX or chilled water
- Heating coils – electric or hot water





DEDICATED OUTDOOR AIR SYSTEMS - DOAS

- Sizes from 1,000 to 25,000 cfm
- Indoor and rooftop
- 100% outside air packaged units
- Single or 2 panel two tunnel with exhaust air
- Energy recovery systems
- EC motors for energy savings
- Programmable microprocessor controls
- Custom factory-assembled, full thermal break enclosures
- Modular split or fully knock-down
- Single or multiple plenum fans
- 2", 3" and 4" enclosures designed for less than 0.25% leakage at +/- 12" w.g
- Enthalpy or sensible wheels
- Fixed plate heat exchangers
- Heat pipe and wrap around U-pipe
- Air or water cooled DX A/C
- Advanced micro channel condenser coils



COOLING FEATURES & BENEFITS

- Fully integrated systems
- Air or water cooled DX A/C
- Variable capacity compressors
- Available with MagLev VTT compressors

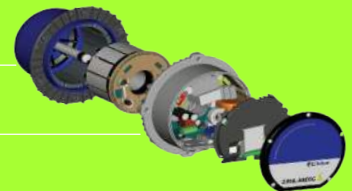
CONTROL STRATEGIES

- A great choice of communication protocols is possible (Modbus, Carel, BACNet, LON, Ko nnext, HTTP, \ SNMP, SMTP and many others).



ELECTRONICALLY COMMUTATED MOTOR (EC-MOTOR)

- Permanent Magnet Brushless DC Motor
- Carbon brushes are replaced with electronic switches
- Electronic System for precise rotation





CUSTOM AHU WITH INTEGRATED HEATING, COOLING & DEHUMIDIFICATION

- Fully integrated systems
- Steam, hot water or electric heat
- Humidifier section with distributor
- Water source heat pumps
- Single or multi-point power connections
- Programmable microprocessor controls
- Available with MagLev VTT compressors
- Combination of multiple modules for high cooling capacities
- 1 circuit (1 Ton) to 8 circuit (120 Tons) DX modules
- Multiple refrigeration circuits evenly split between scroll & digital scroll (modulating) compressors
- Air or water cooled DX A/C
- Modulation from 10 to 100% with +/- 0.5°F
- All modules are pre-piped, wired & programmed
- Indirect fired gas heaters



ENCLOSURE FEATURES AND BENEFITS

- Membrane and compression plate air sealed
- Bolt based technology
- Full thermal break walls
- 2", 3" and 4" enclosures designed for less than 0.25% leakage at +/- 12" w.g
- Double edge and double gasket doors
- Seamless continuous rounded gaskets



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multistack.com



 **MULTISTACK**

 **AuraGreen**