SAS OFFICES & EXECUTIVE CONFERENCE CENTER
CARY, NORTH CAROLINA

KEY PARAMETERS

- Type of Facility – New Construction
- Function – Office Building
- Area – Six stories, 287,190sf
- Project Completed – 2011

Challenge: IAQ and sustainable design. SAS, leader in business analytics and services, set out to build a world-class conference center and office building that would be a showcase to host current and prospective customers from around the world and highlight the company's emphasis on innovation, technology and sustainability. The facility was built to Leadership in Energy and Environmental Design (LEED) standards for water and energy conservation and included specifications to reduce water use by 50 percent, and reduce energy consumption by 40 percent.

Solution: Dynamic V8 Air Cleaning Systems were installed in the mechanical system serving the building.

Results: The low static pressures inherent in V8 Air Cleaning Systems save energy by reducing the horsepower required to move air through the system. The long service life of the replacement media means a smaller carbon footprint and reduced maintenance costs.

"A lot of time, thought, and effort went into ensuring great air quality in this building," said Pete Flood, Construction Project Manager for SAS, "from protecting the HVAC systems as they

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were placed piece-by-piece to not allowing VOCs and other potentially harmful materials to ever enter the building."

Dynamic Air Cleaners not only helped to reduce fan horsepower and conserve energy, but the air cleaner media pads have a much smaller footprint and longer maintenance intervals than equivalent conventional passive filters.

TEAM

- Owner – SAS Institute Inc.
- Architects – Gensler/Davis Kane Architects
- HVAC Mechanical – Newcomb and Company
- In-house Facilities Contact – Pete Flood, Construction Project Manager

MECHANICAL SYSTEMS

- HVAC – Trane
- Ventilation – Greenheck
- Building Controls- Trane Tracer Summit, Tjernlund
- Energy Monitoring – Trane Tracer Summit

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