

**For Immediate Release****Wright Line Proves Collaboration is Key in Solving  
Air-Flow-Management Problems in the Data Center**

*Manufacturer Teams with Advanced Data Centers  
to Develop Scalable, Green “Independent Containment System”*



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Worcester, MA – September 16, 2009 – Wright Line, the leading manufacturer of tech-driven environments, today detailed its successful collaboration with Advanced Data Centers (ADC) and Rumsey Engineers, Inc. to create a scalable, sustainable, vendor-neutral, free-standing, heat containment solution for high density computing in the data center.

The level of information density is continually increasing within data centers. As data center servers work harder to process information, greater amounts of heat are created greatly impeding data center efficiency, optimization, and energy management.

ADC, a leading owner and operator of wholesale data centers, required a containment system that would capture server exhaust heat for its 90MW pre-certified LEED Platinum facility. The system needed to be freestanding, scalable, sustainable and vendor-neutral. ADC partnered with Wright Line because of its green manufacturing capabilities and its 75 years of collaborative customer experience.

Through an expedited and collaborative process, a prototype of the Independent Containment System (ICS) was designed and developed. The ICS Alpha version was then delivered to ADC’s data center.

"There are two key reasons for the strong success of this project," said Carl Cottuli, Wright Line’s Vice President of Product Development and Services. "First, we had a client who understood the design process and could clearly articulate the problem. Second, we also had a great group of collaborative team members who shared information, opinions and knowledge with an open and generous spirit. Wright Line’s collaborative capabilities run deep; and the creation of the ICS is a terrific example of how a true partnering of great skills and good intentions can exceed expectations."

Wright Line, a member of the US Green Building Council, also addressed ADC’s sustainable green requirements with several of its green manufacturing processes. Many of Wright Line’s products are GREENGUARD Certified and compliant with the Indoor Air Quality (IAQ) standards for products from the GREENGUARD Environmental Institute. This certification means that Wright Line products have gone through rigorous testing to prove that individual components contain low-emitting materials.

"The effort of our three companies to develop this new product to address the growing heat issues in data centers is an example of corporate collaboration at its best. Three diverse companies each approaching

the challenge from a different perspective, but with clear intent and a common goal," said Bob Seese, PhD, Chief Data Center Architect for ADC.

"Wright Line's innovative insight into the data center's air flow management issues and ADC's clear understanding of the kind of solution needed made this a well focused project from the beginning," said Peter Rumsey, President of Rumsey Engineers. "Together as a team, we were able to achieve a sustainable and energy efficient solution that can work in a variety of data center environments."

### **Details of the Design**

Designed to provide maximum flexibility in all environments, the ICS, assembled within the footprint of a standard aisle, is constructed with a tubular steel frame. The frame's structure is designed to be freestanding and meets seismic Zone 4 standards. The design included a peak cabinet load capability of 30kW.

In addition, the prototype was designed to accept a variety of Wright Line's "End of Row" door products, including "Café Style" doors selected by ADC. These doors swing in both directions ensuring ease of personnel access, airflow management support, and visual indications of over/under pressurization.

The ceiling of the ICS unit, a lightweight steel frame, as well as the exhaust chimneys, accepts clear Lexan panels. These clear panels allow ambient room light to illuminate the hot aisle, eliminating the need for energy-consuming supplemental lighting.

The 2'X2' chimneys can reside anywhere on the roof structure. Additional chimneys, designed to be adjustable for retrofitting into existing ceiling grids, can be added as the IT load increases. The ICS wall construction includes vertical blanking panels to maintain containment when racks are partially deployed. In addition, they can be easily removed in sections to allow the deployment of new IT cabinets.

A video overview of the ICS can be viewed at [http://www.youtube.com/watch?v=kWpM0\\_Ij\\_kM](http://www.youtube.com/watch?v=kWpM0_Ij_kM)

### **About Advanced Data Centers**

Advanced Data Centers is a leading owner and operator of wholesale data centers designed specifically for the corporate user. The data centers are highly specialized and secure facilities used to house, power and cool critical IT infrastructure (servers, storage equipment, etc.) Focusing on robustness and reliability, each facility is designed to exceed today's requirements and to support the constantly growing demands of future technologies.

The McClellan Park Data Center, situated in a seismically inactive area outside of the 500-year floodplain, boasts the lowest utility rates in California. A major advantage is the site's central California location and proximity to San Francisco and Silicon Valley, as well as the significant tax incentives available through Local Agency Military Base Recovery Area (LAMBRA). A virtual site tour can be viewed at <http://www.adatacenters.com/html/mcclellan.html> For more information, visit [www.adatacenters.com](http://www.adatacenters.com) or call 415.200.1042.

### **About Rumsey Engineers, Inc.**

Rumsey Engineers, Inc. is a Bay Area-based design engineering firm that specializes in innovative HVAC system solutions for the most demanding commercial installations and critical environments, including green buildings, data centers, cleanrooms and laboratories. The company's philosophy is based on the premise that the best design is simple and elegant, and results in substantially lower energy costs. Contact Clifton Lemmon at <http://www.rumseyengineers.com/index.php> or call 510.663.2070.

**About Wright Line**

Wright Line, a global leader in the design and manufacture of environmentally-friendly/green airflow management systems and ergonomic consoles, enclosures, office and technical furniture for technology-intensive environments, has been serving the data center, office, call center, analytical and electronic laboratory and high-tech manufacturing environments for 75 years. The company is headquartered in Worcester, MA and can be contacted by email at [info@wrightline.com](mailto:info@wrightline.com) or by phone, 800.225.7348.

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