

## **MEDIA ADVISORY**

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## **CARDINAL FASTENER TO HOST PRESIDENT-ELECT OBAMA ON FRIDAY; CARDINAL EXECUTIVES AVAILABLE BEGINNING TODAY FOR MEDIA INTERVIEWS**

Cardinal Fastener, a leading Bedford Heights, Ohio, manufacturer of precision fasteners used in the construction of wind turbines, will host President-Elect Barack Obama on Friday, January 16. This is not a public event. Cardinal Fastener President and Founder John Grabner is available beginning today for media interviews. Below is information about the company.

### **Cardinal Fastener & Specialty Company, Inc.**

5185 Richmond Road, Bedford Heights, OH 44146

216-831-3800

[www.cardinalfastener.com](http://www.cardinalfastener.com)

(One mile south of the intersection of Richmond and Miles Rd.)

### **Tagline**

“When It’s Critical, It’s Cardinal”

### **History**

Founded on September 23, 1983; recently celebrated 25th year in business

### **President / Founder**

John Grabner

### **Ownership**

Privately owned

### **Overview**

- » Largest, most responsive manufacturer in hot forged fastener industry
- » Manufactures large-diameter, externally-threaded fasteners for various energy industries, as well as for the construction, heavy equipment, power generation, oil field and wind turbine industries, among others, both OEM and replacement
- » 100,000 square foot manufacturing and warehouse facility in the Cleveland, Ohio, area
- » All raw materials are American-made
- » Short lead time – provides same-day service on most orders
- » Only fastener manufacturer in the world serving the wind market that has achieved ISO 9001: 2008 registration; Cardinal manufacturing and quality processes are certified to this standard

### **Business Philosophy**

- » Follows lean manufacturing model pioneered by Toyota
- » Skilled workforce is cross-trained to perform multiple functions and deliver just-in-time
- » Quality second to none; zero tolerance for defects
- » Leader in on-time delivery

### **High Profile Structures Held Together with Cardinal Fastener Products**

- » Statue of Liberty
- » Golden Gate Bridge
- » CN Tower
- » World's tallest flagpole (in Dubai)
- » USS George H.W. Bush aircraft carrier
- » World's tallest roller coaster at Cedar Point
- » GE locomotives

### **Revenues**

- » About \$10 million in 2008; 50% increase forecast for 2009

### **Employment**

- » 65 full-time associates
- » Up to 40 more full-time associates projected for 2009 to support expected sales growth in wind industry

## **FACTS ABOUT CARDINAL FASTENER PRODUCTS IN WIND TURBINES**

- » Largest maker of precision-manufactured, high tensile strength bolts, screws and double-ended studs for all three segments of wind towers in North America (the tower, nacelle, and blades)
- » One of the key companies in the North American supply chain for the leading turbine manufacturers, which are largely headquartered overseas
- » Fasteners and bolts a crucial component in ensuring the tower's structural integrity
- » Each tower requires approximately 1,000 products made by Cardinal Fastener
- » Company has a dedicated wind team with more than 135 years combined experience in the fastener industry
- » Approximately 500,000 fasteners and double-ended studs manufactured by Cardinal Fastener have already been installed in working wind turbines, with zero defects
- » Cardinal's precision-made fasteners support tower segments in the harshest of environments
- » Wind towers typically are 300 to 400 feet tall; Cardinal Fastener blade bolts (double-ended studs) are used to attach the blades to the hub, as well as to secure the nacelle to both the tower and hub
- » The average Cardinal bolt used in a wind tower weighs about 9 pounds and ranges from M24 to M48 in diameter
- » Completely tested to ensure structural integrity