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PRESS RELEASE

Avtron and Morgan Engineering Selected for Nucor Steel Crane Upgrades

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Independence, OH – December 14 – Nucor Steel recently awarded Avtron Industrial Automation and Morgan Engineering a contract to upgrade three Hot Metal cranes in the Memphis, Tennessee facility. Avtron will be providing all electrical engineering and equipment with Morgan providing project management, mechanical engineering and installation services. The project scope includes the conversion of the three constant potential DC systems to new AC drives and motors.

The cranes are currently run with a large rectifier supplying constant potential relay and contactor panels. The panels are used in conjunction with large resistor banks to control the speed of the series wound DC motors. Controls on the crane are becoming increasingly harder to service and expensive to maintain.

Avtron and Morgan will be providing a complete AC solution based on Avtron's proven ACCel500™ AC drive technology. New AC motors and drives will replace the constant potential DC system. Individual inverters will drive each motion and will provide optimum control for the crane. Main Hoists will be driven by two individual motors with drives running in a master-slave arrangement. The system will be designed to operate the main hoist at a reduced speed on a single drive and motor should a failure occur in either a drive or motor. This ensures that the load can be safely removed before crane repairs take place.

Coordination of the control system will be through a programmable logic controller with a wireless radio interface card. Radio control will be coordinated through the PLC and provide an integrated solution that does not require an additional control box or relays. The upgrades completion is scheduled for early 2008.

About Avtron Industrial Automation Inc.

Avtron delivers AC and DC drives, pre-manufactured and custom engineered panels, automation solutions and diagnostic software designed to help users reduce costs, increase efficiency and enhance profitability. With drive system solutions and services catering to virtually every material handling need, Avtron Manufacturing provides a diverse array of capabilities including ac and dc drives, encoders, standard and custom packages. Headquartered in Independence Ohio, Avtron Manufacturing, Inc. provides solutions for the global market.

For more information about Avtron Industrial Automation, Inc., visit www.avtron.com or contact: Avtron at 7900 E. Pleasant Valley Rd. Independence, OH 44131 Phone: 216-642-1230, Fax: 216-642-6037, e-mail: systemsales@avtron.com.

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