



FOR IMMEDIATE RELEASE

TMEIC Supplies Large Variable Speed Drives to Nucor Direct Reduced Iron Plant

Roanoke, Virginia, April 28, 2014 –TMEIC has completed the installation and startup of two large variable speed drives at Nucor’s Direct Reduced Iron Plant in Louisiana. This is a new plant built to produce direct reduced iron, one of the raw materials used in steelmaking. Two process gas compressors used in the process are powered by large induction motors working with TMEIC’s variable frequency drives.

A TMdrive-XL80 variable frequency drive (VFD) powers each of the two 10,200 hp three-phase induction motors, allowing the speed and torque of the two compressors to be varied. In addition, the VFDs provide smooth motor starting with no large current inrush, thus avoiding mechanical and thermal stress to the motor windings.

Four-pole variable speed induction motors power each of the two compressors. The nominal motor speed is 1,800 rpm at 60 Hz, running off the 3,600 volt power from the TMdrive-XL80 VFD. Advantages of TMEIC’s XL80 variable frequency drive include reliability, energy efficiency, high Power Factor, and low harmonic content in the output.

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About Toshiba Mitsubishi-Electric Industrial Systems Corporation (TMEIC)

Toshiba Mitsubishi-Electric Industrial Systems Corporation (TMEIC) was formed in 2003 from the merger of the industrial systems departments of Toshiba Corporation and Mitsubishi Electric Corporation. TMEIC manufactures and sells variable frequency drives, motors, and advanced automation systems for a range of industrial applications. We drive industry.

The North American operation –

TMEIC Corporation, headquartered in Roanoke, VA, designs, develops and engineers advanced automation, large AC machines and variable frequency drive systems. TMEIC Corporation specializes in the Metals, Material Handling, Oil & Gas, Mining, Testing and other industrial markets worldwide. We drive industry. www.tmeic.com