

## FOR IMMEDIATE RELEASE

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### **HAN-TEK Bucket-Crane Modernization cuts cement plant's energy consumption in half**

(VICTOR, N.Y., Dec. 15, 2004) – HAN-TEK, Inc., has developed a Bucket-Crane Modernization that allows a cement manufacturer to reduce its energy consumption by 50 percent – a savings that is expected to pay for the investment in two years.

HAN-TEK designed, engineered, manufactured and installed electromotive upgrades to the customer's mammoth, 10-ton bucket crane that redistributes material in its cement-manufacturing operation. Previously the crane consumed electricity continuously, though it was needed only half the time the plant was operating, to redistribute and store overflow raw material. Further, its on-board DC generator had become increasingly unreliable and difficult and costly to repair.

"By using AC inverter variable-frequency drives rather than the old DC and collector-bar system, this crane upgrade permits our customer to operate with far greater efficiency," says Todd VandeSande, vice president of HAN-TEK. "Lower energy bills mean our customer will recoup its investment in about two years. The company is also saving money and minimizing downtime because the HAN-TEK solution is easier and less expensive to maintain and repair."

A key challenge, VandeSande says, was designing a solution that would function effectively in the excessively dusty environment characteristic of cement manufacturing. The HAN-TEK solution features seven totally enclosed severe-duty motors with blower or fan cooling to reduce dust exposure. Electromotive controls are now enclosed in double box-frame girders, which shield the controls from dust and enhance worker safety. The upgrades were installed by HAN-TEK's MSHA-certified technicians according to U.S. Mine Safety and Health Administration codes.

In accordance with the customer's specs, VandeSande adds that HAN-TEK also designed the Bucket-Crane Modernization to link to the plant's internal network via radio control.

*HAN-TEK, Inc., an ISO 9001:2000 registered company, customizes advanced automation technology to develop and optimize manufacturing-assembly and product-distribution systems. Founded in 1961, HAN-TEK specializes in systems automation, robotics and controls, overhead cranes and integrated conveyors.*

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