

## **Press Release**

### **Contacts:**

Westcode Semiconductors Ltd, UK - Frank Wakeman, +44 1249 444524.

IXYS Long Beach – Ray Segall, 562-296-6584 (US sales enquiries only)

### **Korea's High Speed Rail Expansion Is Powered by IXYS High Power Westcode Team**

Biel, Switzerland and Chippenham, UK. July 20, 2010 — IXYS Corporation (NASDAQ:IXYS) announced that its wholly owned UK subsidiary, Westcode Semiconductors Limited, has successfully co-operated with Hyundai Heavy Industry in Korea to outfit Korail's (Korea's national train operator) latest generation of High Speed Train with its 2400A 4500V press pack Insulated Gate Bipolar Transistor (IGBT) and High Power SONIC™ fast recovery diode technology.

Korea's commitment to a world class high speed train network is unveiled in its latest development, the Hyundai-Rotem KTX II or KTX-Sancheon project, an entirely Korean manufactured high speed train which has a maximum speed of 330 km/h and a 0–300 Km/h acceleration time of 316 seconds, an improvement of 49 seconds over the previous KTX I train.

Westcode's IGBT which forms the basic building block for the high speed power converter enables such speeds with industry leading reliability. The next generation press-pack IGBT uses latest IGBT technology featuring an improved Safe Operating Area (SOA) and reduction in on-state losses of approximately 25% from the previous generation.

The mature press pack IGBT technology uses a fully hermetic compression contact ceramic capsule in order to assure market-leading reliability in the megawatt range in high power applications where efficiency and reliability are foremost.

Korail plans to introduce 13 KTX-Sancheon train sets by the end of this year and 5 more during early 2011.

Korea's high speed rail network will be showcased later this year when Seoul hosts November's G20 summit where many of the dignitaries will enjoy the 20 minutes reduction in travel time between Seoul and Busan.

“We are extremely pleased to have the opportunity of working closely with Hyundai Heavy Industry in the development of the technology to facilitate the high profile success of the KTX-Sancheon high speed train,” commented Bradley Green, Vice President of International Sales for IXYS. “We are also proud that the new train generation powered by Westcode technology is estimated to transport over 38 million passengers in 2010 at an estimated accumulated distance of 22 million kilometres. This represents a true example of the reliability of the Westcode products.”

“Our focus on the higher end of power semiconductors with our UK team, based on our experience with high power thyristors in hermetic packages, led us to develop the IGBT capsule using our own proprietary technology. It has been a great team effort within our European group to combine MOS and Bipolar technologies for high power trains,” said Dr.

Nathan Zommer, CEO of IXYS Corporation. “Again we see the importance of our power semiconductors in enabling fast mass transit systems with high efficiency and reduced carbon emissions. It is a great tribute to Hyundai-Rotem and Korea in leading Asia into the 21<sup>st</sup> century with an advanced mass transit system, and we are proud to be part of it.”

For more information is available on the Westcode Semiconductors website at [www.westcode.com](http://www.westcode.com) or please contact Westcode via email: [WSL.sales@westcode.com](mailto:WSL.sales@westcode.com) or telephone: +44 (0)1249 444524 for quotation.

### **About Westcode**

Located in Chippenham, England, Westcode Semiconductors Ltd is a leading manufacturer of very high power thyristors, SCRs and rectifiers ranging up to 6500 Volts and 15,000 Amps. Westcode continues to supply high technology components for a wide range of applications such as welding, AC and DC drives, rectifier supplies, uninterruptible power supplies, motor soft starts, transportation, induction heating, power conditioning, high energy physics and many other industrial uses.

### **About IXYS Corporation**

Since its inception in 1983, IXYS Corporation has been developing technology-driven products to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS, and its subsidiary companies, offer a diversified product base that addresses worldwide needs for power control, electrical efficiency, renewable energy, telecommunications, medical devices, flexible displays and RF power.

### **Safe Harbor Statement**

Any statements contained in this press release that are not statements of historical fact, including the performance, rating, availability, reliability and suitability of products for various applications, may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Form 10-K for the fiscal year ended March 31, 2010. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.