

## **KIA Motors Manufacturing Plant**

On October 20, 2006 KMMG broke ground on a \$1 billion automotive assembly and manufacturing plant on 2,259 acres of land in West Point GA., the first plant for KIA in North America. KIA's goal was to have several suppliers on their campus and the surrounding area.

### **Challenge**

KIA needed to find a way of providing seamless radio coverage for over 2259 acres of land in West Point, Ga. for this new massive facility. KIA wanted a way to communicate not only internally but with key suppliers. This would include suppliers such as Glovis USA, Glovis Georgia, Powertech and HYSCO that have locations on KIA's campus. They also had concerns of possible combustible situations in areas like the paint shop and how to get to emergency situations quickly and efficiently. This system would need to be able to grow as KIA and their suppliers grow.

### **Solution:**

Mobile Communications designed and engineered a 10 channel Moto TRBO trunked system to meet the needs of KIA. This Moto TRBO trunked system is the first one installed in Georgia. This solution satisfied the needs of KIA and manufacturing facility of this size. During the implementation, Mobile Communications performed extensive engineering path studies and range coverage studies to ensure that the KIA structures on site would not compromise coverage.

The Moto TRBO system has 2 for 1 capacity, which means you need only half the equipment of a standard analog radio system. These radios and batteries use Impress Technology. This technology automatically tests and extends the life of batteries. This solution saves time and money by maintaining the batteries and extending their life.

Mobile Communications programmed a one button emergency alert on all subscribers. In case of an emergency, one button is pushed and they are directly connected to emergency or medical personnel. This saves time and potentially lives in an otherwise chaotic situation.

Intrinsically safe radios were also recommended to provide the safest possible equipment in potentially dangerous working environments. Since all radios on this system are intrinsically safe, they can roam from one area to the next without safety issues.

The Moto TRBO system offers unlimited growth potential with IP site connect. Moto TRBO can connect sites anywhere around this solution. The Moto TRBO radios can be programmed with hundreds of different applications to compliment the voice solutions. With this solution the possibilities are endless.

**Benefits:**

KIA chose the latest digital technology in the Moto TRBO system. Mobile Communications engineered a system that can grow as KIA and their suppliers grow. The system is easy to use and the radios can be programmed easily through PC driven software. KIA takes comfort that their equipment is intrinsically safe and safety needs are being met through the one button emergency programming.