

## CASE STUDY



# Metra Rail–Illinois

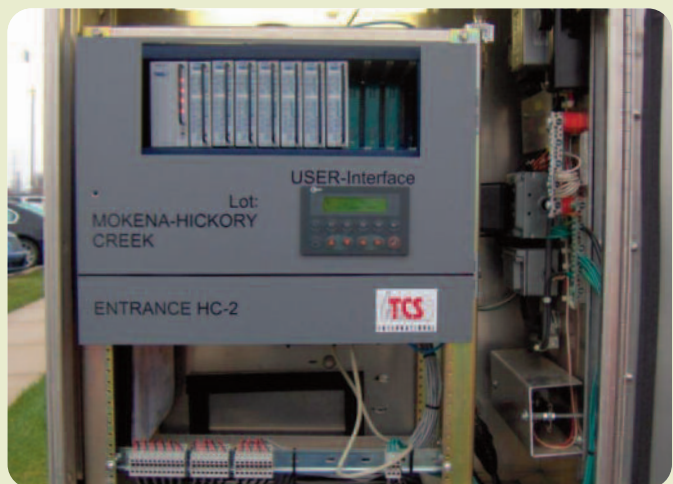
Metra Rail required a truly wireless communication network over an extremely large area for its wayfinding solution. TCS International implemented its proprietary wireless technology to eliminate the need for a hardwired communications infrastructure. For example, the traffic control computers in the field provide real-time information to a centralized workstation 24 miles away in downtown Chicago. Another unique implementation includes solar panels providing power to the latest LED display technology available. The end result is a cost effective solution managed by our software which monitors and delivers occupancy counts to each sign allowing commuters to easily find a parking space in any of the available surface lots managed by Metra Rail. Metra Rail is able to dynamically provide useful parking information during peak driving times.

### Installation Highlights:

- The first Transit PGS installed in North America
- Funded by a special government grant to reduce traffic congestion
- Solar powered dynamic message signs
- Solar powered traffic control computers
- Wireless based solution across a large area
- Signs use the latest LED technology making each reliable and easy-to-view
- Very low power consumption
- Traffic control computers for complete network availability updates and device management
- Automated space counting system in transit parking facilities
- Easy and cost effective installation minimizes installation costs, reduces the operational impact on the facility, and speeds time to benefit
- Elegant use of the latest technologies available to assure customer satisfaction



Extremely bright and legible roadway signs using the latest LED technology.



Facility traffic computer counts cars and updates the system in real time.

**TCS**  
INTERNATIONAL

Metra Rail Airport uses TCS International's powerful counting software which includes preset statistical analysis and the ability to perform ad hoc queries. Reports are accessible via browser based access for immediate real-time system updates. Alarms and messages are updated real-time and can be delivered to a cell phone or PDA. All LED signs meet the highest standards including light intensity sensors based upon ambient light, and MBFT of 100,000 hours/10 yrs.

**Technologies:**

- parking guidance
- wayfinding
- space counting
- wireless communications
- solar powered signs



*Signs and traffic computers powered by solar energy.*

**About TCS**

TCS International manufactures and designs intelligent parking guidance solutions. Real-time monitoring allows our customers to promote open spaces, and improve vehicle flow by reducing “cruising” which increases operator and customer satisfaction. Getting customers to their destination more quickly has the added benefit of reducing your facility’s carbon footprint. TCS conceptualizes, manufactures, and continually improves all of its products by harnessing over 100 years of direct industry knowledge found in its product development team. From wireless intelligent parking guidance systems, to automated parking management solutions, TCS provides end-to-end solutions to monitor and facilitate car egress for any facility.

