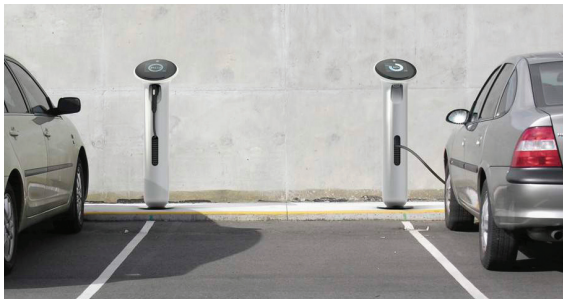# GE WattStation™

Electricity will fuel the vehicles of tomorrow. For every 10,000 gas-powered car users that switch to electric vehicles (EV), CO_2 emissions would be reduced by 33,000 metric tons per year — equivalent to the annual CO_2 emissions of 6,500 traditional cars on U.S. roads.

Electric vehicles have the potential to revolutionize transportation. However in order to see widespread EV adoption, the electrical grid must be modernized and charging stations must be accessible, quick and easy.

GE's electric vehicle charger, GE WattStation, is designed to help address these challenges by significantly decreasing time needed for vehicle charging, and using smart grid technology to allow utility companies to manage the impact EVs have on the local and regional grids.

Combining functionality with consumer friendly form, from renowned industrial designer Yves Behar, on average the WattStation decreases EV charging time from 12-18 hours to as little as 4-8 hours compared to standard charging, assuming a 24 kWh battery and a full-cycle charge. Also the design allows for integration into a "smart" electrical distribution system, offering an "end-to-end" integrated EV infrastructure solution of electrical distribution products.

For more than 100 years GE has built and serviced infrastructure to optimize energy generation and use. The development of this next-generation technology with GE reliability was a natural progression.

In April 2010, Project Get Ready, a non-profit initiative led by Rocky Mountain Institute to help communities prepare for electric vehicles, named GE a technical advisor focusing on design and planning of the local and regional electric grids for electric vehicles.

WattStation will be commercially available globally in 2011 and will include options for commerce. Among its standards and features:

- UL Certified
- Charger and vehicle communication in accordance with NEC 625
- Cord connection in accordance with SAE J1772
- Indoor and outdoor enclosures
- Wall and pedestal mount
- Commerce and card reader capability
- User authentication
- Network communications
- Revenue grade metering with AMI communications
- LED lights and display
- Level 2 (208-240 VAC) charging capability

To find out more, please visit:

www.gedigitalenergy.com

imagination at work