EV Solutions

End-to-end Portfolio to Meet Evolving
Customer Needs and Use Cases

Landis+Gyr

Integrated EV Solutions

Increasing adoption and charging of Electric Vehicles (EVs) is putting unplanned strain on the electric grid, requiring utilities to manage energy better. Building on 125+ years of expertise developing the most advanced energy management solutions, Landis+Gyr offers a comprehensive portfolio of EV solutions designed to help utilities meet these evolving demands.

Landis+Gyr's holistic EV portfolio includes hardware, software, smart charging, and EV load management solutions.

EV Charging

Landis+Gyr's EV charging solutions enable utilities to support transportation electrification objectives, benefit from a new source of load growth, and manage any distribution grid disruptions. Landis+Gyr's INCH chargers deliver interactive Level 2 charging for residential, commercial, and public applications, offering advanced connectivity options, usage pattern recognition, and dynamic power management. Power is adjusted during the charging session to accommodate dynamically changing conditions, taking into consideration user demands, local consumption, local energy production, tariffs, and utility signals.

Leveraging existing Landis+Gyr technologies, our EV charging solutions include revenue-grade metering and Gridstream Connect communications, such as AMI Mesh radios, Wi-Fi, cellular, and ethernet (on some models). Advanced utility use cases include autonomous controls of the charger, through an app on the Revelo grid sensing platform.

INCH Pro

The UL-certified INCH Pro is a robust, interactive Level 2 EV charger, suitable for indoor or outdoor use, for business, retail, fleet, and hospitality locations. The INCH Pro features dynamic load management capabilities, supported by Landis+Gyr's flexibility solutions, and our Revelo grid sensing platform, which allows us to place applications at the grid edge. Closely integrating these solutions with EV charging technology provides the most effective energy management solutions for our customers.

The INCH Pro provides simple user authorization, with PIN codes or RFID cards. The display can be used to show instructions, promotions, and live charging data.

INCH Core

The INCH Core is a Level 2 residential smart charger providing advanced load management capabilities based on real-time grid data. Featuring smart home connectivity and a mobile app, INCH Core provides revenue-grade metering and integration into the AMI network. Automated production and advanced customization options (coming in 2025) add value for utilities entering the home-charging market.
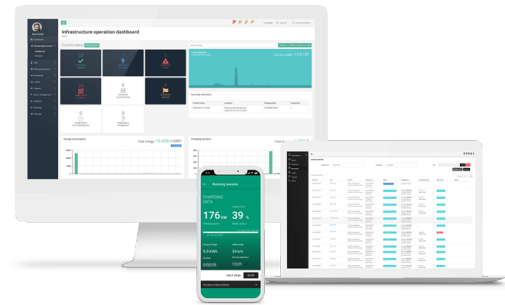
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OCEAN EV Charge Point and Energy Management System

The OCEAN EV platform is a scalable software suite providing remote monitoring and control of an EV charging network. Modules include load management, e-mobility, fleet management, and network asset and health monitoring. OCEAN provides a seamless charging experience to your EV drivers, and performs advanced load management tasks to support demand response and load flexibility services.

The software can be white labeled for a utility, with a mobile app available for your customers. OCEAN provides the capability to curtail charger load based on a variety of clustering and grouping options, as well as control of other brands of chargers through Open Charge Point Protocol (OCPP) compliance.

Load Management and Demand Response

OCEAN's load management capabilities can be configured at the charger, cluster, or load-area level. OCEAN enables self-managed operation in the form of static or dynamic load management or integration with third-party systems to support load flexibility and demand response services.

OCEAN Modules

OCEAN offers everything the e-mobility service provider needs in one place, from essential charging point management services to management models for enterprise-level charging infrastructure.

A modular design provides the opportunity to customize the OCEAN interface for specific business models or based on role-defined access rights—reducing system complexity for corporate users. Available modules include:

- Asset Management
- Monitoring and Control
- Support
- Analytics
- Access Management
- Power Management

True Energy Smart Charging App for EV Owners

Landis+Gyr's True Energy solutions provide intelligent EV charge management for utilities and consumers.

Most EVs are charged in peak hours, leading to increased CO_2 emissions, higher prices, and grid congestion. The True Energy smart charging app enables EV owners to take advantage of automatic charging when electricity is cheaper and more climate-friendly.

EV Owner Benefits

- Optimize charging based on continually updated energy data
- Users set preferences for automatic charging
- Time charging to coincide with lowest energy prices
- Charge when energy production is most climate-friendly

Utility Benefits

- Provides flexibility and load balancing to support the energy grid
- Easily integrate smart charging into existing set-up
- Rapid innovation and upgrades to existing energy management solutions
- Provides powerful behind-the-meter analytics and energy management

Let's Build a Brighter Future Together.

Since 1896, Landis+Gyr has been a global leader of energy management solutions. We've provided more than 3,500 utility companies all over the world with the broadest portfolio of products and services in the industry. With a worldwide team of 1,300+ engineers and research professionals, as well as an ISO certification for quality and environmental processes, we are committed to improving energy efficiency, streamlining operations, and improving customer service for utility providers.

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