

EV Charging

Syntphony EV Charging provides a robust, adaptable platform for managing EV charging networks which offers advanced security, seamless integration, and extensive customization options to meet the evolving demands of the electric mobility market.



Insurance



Telco, Media & Technology



Energy & Utilities



Retail



Manufacturing &
Consumer Packaging Goods



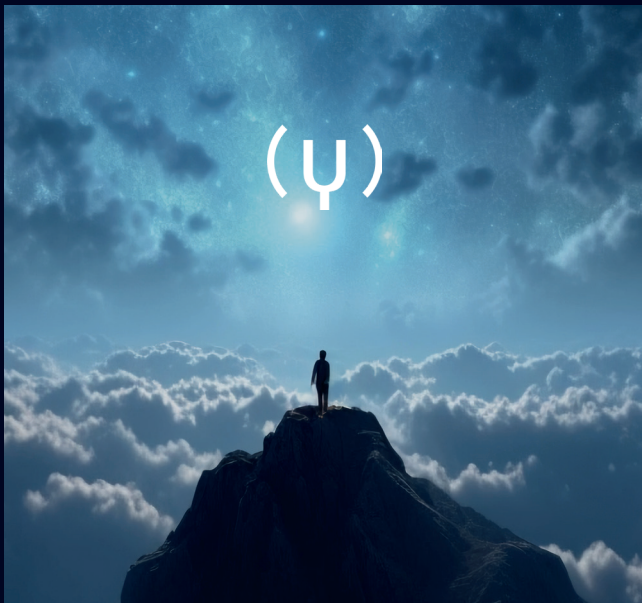
Automotive



Healthcare, Life Sciences & Pharma

Why syntphony ?

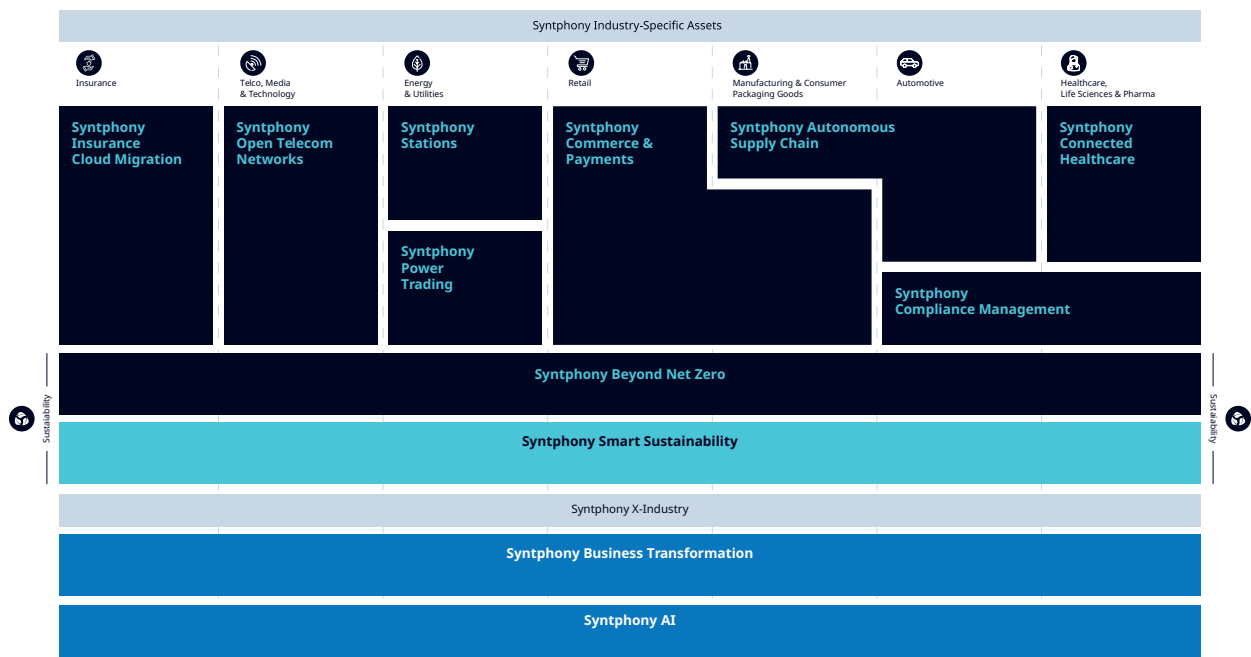
We develop products and solutions that are in tune with businesses



Syntphony is the composable platform of digital products and solutions from NTT DATA, created to help global organisations accelerate innovation, align business strategy with technology, and scale transformation initiatives with speed and efficiency.

Designed for enterprises that demand flexibility, modularity and integration, Syntphony offers a portfolio of ready-to-deploy, enterprise-grade digital products developed by NTT DATA's global talent network. By combining business consulting expertise, proprietary technologies and industry knowledge, the Syntphony ecosystem multiplies the value for clients, reducing time to market and unlocking synergies across multiple domains.

Syntphony is the most valuable Product Composable Platform of NTT DATA, enabling clients to orchestrate scalable, resilient, and future-ready business solutions.



Syntphony Smart Sustainability

Syntphony Smart Sustainability is an end-to-end AI-powered platform that helps organisations manage infrastructure networks more efficiently.

It enables smarter decisions in water, energy, mobility and supply chains through real-time insights, automation and a fully composable, future-ready architecture.

We help organisations reduce resource waste, gain visibility and meet compliance demands.

By digitising infrastructure and optimising operations, we support sustainability goals and enable new business models like EV charging, public transport modernisation or end-to-end supply chain traceability.

Value Chain Traceability

Blockchain-based traceability to improve transparency, verification, interoperability, and green accountability of the end-to-end supply chain. Sourcing traceability Mgmt. using blockchain technology.

Water Management

Digitalization of drinking water distribution infrastructures:

- Water networks and digital twins' management.
- Water network reporting, alerts and simulation.

EV Charging

Smarter electric vehicle charging for a sustainable future.

- Charging Point network management.
- Optimized charging management.
- Mobility Services app Rate configuration; CSP - MSP settlement.

Mobility Management

End-to-end Mobility Management for sustainable and efficient transportation.

- Citizen-centric UX.
- Digital payment methods.
- Mobility as a Service & configurable tariffs.

Powering the Future of Electric Mobility

The complex global electric vehicle (EV) market has experienced periods of instability but remains on a strong upward trajectory. Fueled by global momentum, technological innovation, and regulatory changes, **organizations must seize opportunities to innovate, minimize risks, and maximize revenue.**

The global EV charging infrastructure market reached a value of **USD 36.6 billion in 2024** and is expected to grow exponentially to **USD 2,323 billion by 2029**, driven by a remarkable **CAGR of 44.8%**. The Asia-Pacific region leads this growth, accounting for **57% of the market in 2024 (USD 20.9 billion)**, with projections to rise to **66.5%** by **2029**. North America follows with a **26.5%** market share (USD 9.7 billion), while Europe represents **10.5%**, valued at **USD 3.8 billion in 2024**. These figures highlight the rapid global shift toward electric mobility and the increasing demand for robust charging infrastructure.*

Key players in the sector face numerous challenges. From optimizing operational efficiency to enhancing user experience and meeting sustainability goals, these strategic players **must adapt quickly** to stay ahead in a fast-paced, technology-driven environment.



Charge Point Operators (CPOs)

Role: Operate and maintain EV charging stations, ensuring availability and reliability for a growing user base

Challenges: Maintaining infrastructure uptime, managing service quality, achieving operational efficiency.

Mobility Service Providers (MSPs)

Role: Provide seamless charging services to users, integrating various networks and offering easy payment solutions.

Challenges: Simplifying the charging process, optimizing plug-and-charge technology, ensuring a hassle-free user experience.

Fleet Management

Role: Oversee the transition of corporate fleets to electric vehicles, including managing private charging infrastructures.

Challenges: Optimizing charging processes, ensuring that sustainability goals are met, managing fleet-specific charging needs.

*Global Electric Vehicle Charging Infrastructure Market 2025-2029. Technavio, 2024. Report provided by EMIS

Syntphony EV Charging: Driving Change, Embracing the Challenge

As electric vehicles transform global mobility, the need for smart, scalable, sustainable charging solutions is more critical than ever. Drawing on over 15 years of mobility expertise, Syntphony EV Charging leads the way by offering cutting-edge technology to power the EV ecosystem, today and tomorrow.

Syntphony EV Charging provides a robust, adaptable platform for managing EV charging networks. **Our platform offers advanced security features to protect both infrastructure and data**, ensuring a safe and reliable charging experience. Seamless integration with existing systems and extensive customization options, allow our solution to meet the evolving demands of the electric mobility market.

Our technology supports a wide range of charging scenarios, from residential and commercial installations to public charging stations and fleet management.

With Syntphony EV Charging, operators can efficiently manage their networks, optimize energy usage, and provide users with a smooth and efficient charging experience.

In addition to our technological capabilities, we are committed to sustainability and innovation. Our solutions are designed to minimize environmental impact while maximizing efficiency and performance. By partnering with Syntphony EV Charging, you are not only investing in a reliable and future-proof charging infrastructure but also contributing to a more sustainable future.

Join us in driving change and embracing the challenges of the electric mobility revolution. Together, we can power the future of transportation.

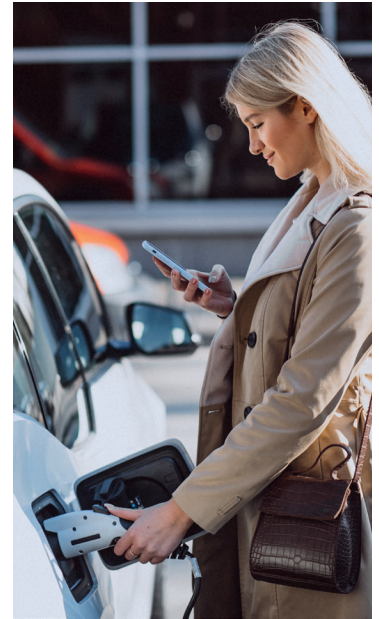


Syntphony EV Charging is an advanced and adaptable platform designed to manage EV charging networks. Leveraging cutting-edge technology, it provides a comprehensive solution to meet the evolving needs of the electric mobility market.

The rapid growth of electric vehicles has created an urgent need for **efficient, scalable and secure charging infrastructure**. Traditional charging solutions often face challenges such as limited scalability, lack of integration with existing systems, and inadequate security measures. These issues can lead to inefficiencies, increased operational costs, and an unsatisfactory user experience.

Syntphony EV Charging addresses these challenges by offering a robust and flexible platform that ensures seamless management of EV charging networks. Here's how it addresses key problems:

- **Scalability:** Our platform is designed to grow with your needs, supporting a wide range of charging scenarios from small residential setups to large commercial and public installations. This scalability ensures that your charging infrastructure can expand as the demand for EVs increases.
- **Integration:** Syntphony EV Charging provides seamless integration with existing systems, allowing for smooth operation and management. This includes compatibility with various hardware and software solutions, ensuring that your charging network is easily incorporated into your current infrastructure.
- **Security:** Advanced security features are built into our platform to protect both the charging infrastructure and user data. This includes encryption, secure authentication, and regular updates to safeguard against potential threats.
- **Customization:** Our platform offers extensive customization options to meet the specific needs of different markets and use cases. This flexibility allows operators to tailor the solution to their unique requirements, enhancing efficiency and user satisfaction.
- **Efficiency:** By optimizing energy usage and providing real-time monitoring and management tools, Syntphony EV Charging helps operators reduce operational costs and improve the overall efficiency of their charging networks.
- **Quick Market Entry and Seamless Scalability:** Our comprehensive platform ensures quick market entry and seamless scalability, taking diverse markets and operational scenarios into account. Whether you are a charger manufacturer, oil & gas company, charge point and network operator, charge point installer/dealer, energy and grid company, or EV fleet operator, Syntphony EV Charging will meet your needs.
- **Your Brand, Our Tech, Endless Possibilities:** Syntphony EV Charging offers a secure, flexible cloud-based platform for managing EV charging networks. Its cloud-agnostic design ensures resilience and effective workload management, providing a seamless user experience. The platform is robust and adaptable, meeting the evolving demands of the electric mobility market.



By addressing these critical challenges, Syntphony EV Charging not only enhances the reliability and performance of EV charging networks but also contributes to a more sustainable and efficient future for electric mobility.

Connecting Today with Tomorrow's Mobility

Comprehensive Software, Endless Possibilities

Syntphony EV Charging stands out in the market for its comprehensive software that caters to all EV charging scenarios. Be it for public, private, workplace, fleet, or residential charging, our platform is designed to handle it all. **We manage an impressive average of 500 recharges per day**, showcasing our capability to support high-demand environments seamlessly. This versatility ensures that no matter the context, Syntphony EV Charging will provide a reliable and efficient solution.

End-to-End Approach

What truly sets Syntphony EV Charging apart is our end-to-end approach. From the initial advisory phase to integration, product delivery, and ongoing support, we are with our clients every step of the way. This means **you have a single, trusted partner throughout the entire process**, ensuring consistency, reliability, and a deep understanding of your specific needs. Our commitment to being by your side at every stage guarantees that you receive the best possible service and support.

Innovative and Adaptive Technology

Our platform is built on innovative and adaptive technology, making it not only robust but also highly flexible. This adaptability allows us to integrate seamlessly with legacy systems and to scale according to the growing demands of the electric mobility market. **The cloud-agnostic design of Syntphony EV Charging** ensures resilience and effective workload management, providing a hassle-free user experience. This technological edge ensures that our clients are always ahead of the curve, benefiting from the latest advancements in EV charging technology.



From Challenge to Opportunity: Manage, Optimize, Grow

Quick Market Entry

Accelerate your market entry with our white-label solution, meticulously designed to reduce costs and significantly boost revenue generation. **Our out-of-the-box solution can be fully operational in just one week**, allowing you to quickly capitalize on emerging market opportunities and stay ahead of the competition.

Customizable, Scalable Solutions

With our highly customizable and scalable solutions, you can tailor the app to meet your evolving business needs, optimizing performance and supporting sustainable growth. Regardless of your current system, **we ensure a seamless transition**, easily allowing the integration of future stations as they come online, ensuring that your business remains agile and adaptable.

Comprehensive Service Offering

Our comprehensive service offering includes a wide range of end-to-end services such as advisory, integration, product delivery, and ongoing support. This holistic approach ensures that you have **everything you need to succeed**, from initial setup to continuous operation and growth, providing you with peace of mind and a solid foundation for your business.

Customer Experience & Support

Based in Italy, our team of experts is dedicated to **providing 24/7 support**, minimizing downtime and swiftly resolving any issues that may arise. This commitment to service excellence ensures customer loyalty and smooth operations, allowing you to focus on what matters most: growing your business.

Future-Ready & Innovation-Driven

NTT Group invests tens of millions in research and development every year, ensuring that we remain at the forefront of technological advancements. Syntphony EV Charging is an integral part of the Syntphony ecosystem, which is at the leading edge of EV technology. This future-ready approach guarantees that our solutions are not only **innovative** but also **sustainable** and **future-proof**.

Security & Trust

Syntphony EV Charging's SaaS platform ensures robust security with advanced D-DOS protection, comprehensive identity management, real-time traffic monitoring, and a security-by-design approach. This provides a resilient and secure environment for EV networks, giving you and your customers the peace of mind that **your data and operations are protected at all times**.



Efficiency and Sustainability in Every Connection

CPOs Features

Fleet Solutions

Allows fleet managers to monitor and manage stations, drivers, and electric vehicles efficiently. Includes the following features:

- **Robust User Management:** Ensures secure access to the charging infrastructure and protects sensitive data.
- **Contracts Management:** Syntphony EV Charging provides fleet managers with all the tools needed to handle contracts. Activities include:
 - Associating Charging Units
 - Associating RFID Cards
 - Wallet Management: Set initial credit for fleet EV driver wallets, charge EV driver wallets in kWh, and set threshold values to send alert notifications

Smart Charging

Load management in electric mobility refers to the strategic control and optimization of charging processes to balance energy demand and grid stability. It involves various techniques and technologies to ensure **efficient and sustainable charging operations**.

Billing & Pricing

Includes €/kWh price configuration for different technologies, direct payment options, and physical POS integration, ensuring comprehensive and flexible billing management.

Station Management

Includes station configuration for public or private use, remote start/stop/reboot capabilities, station availability/status management, and comprehensive monitoring, control, and troubleshooting.

Reporting & Configuration

Includes the following features:

- **€/kWh Price Configuration:** Allows for precise pricing configuration based on technology.
- **Direct Payments:** Facilitates direct payment options.
- **Physical POS Integration:** Integrates physical point-of-sale systems.
- **User Configurability:** Allows for different user roles (Admin, Operator, Viewer).
- **Driver Configuration:** Tailored for fleet management.
- **RFID Configuration/Activation:** Manages RFID cards to ensure secure access to charging stations and seamless user authentication and billing. Activities include:
 - Adding new RFID Cards
 - Creating RFID Card Lots
 - Editing RFID Cards (e.g., changing status, blocking due to loss or counterfeit, temporary deactivation, and removing associations).

Interoperability

Enables the integration of the CPO with third parties via protocols such as OCPI, OICP, and PCIP, ensuring seamless connectivity and collaboration.

MSPS Features

Registration & Account

Users can quickly and easily create and manage their own accounts. **This includes entering all general information such as type of user (Person or Company), name and surname, service provider, tax code (VAT Number), contact reference, and geolocation reference.**

Search & Book Stations

Users can search for stations based on their specific charging needs and make reservations in advance, ensuring **availability when they arrive.**

Start/Stop Charging

Users can start and stop charging sessions with ease. The system includes kWh/km monitoring, **a charging curve display**, and the ability to stop charging when needed.

Wallet

The wallet feature allows users to consult and subscribe to **different rates, manage coupons, and handle payment methods.** Users can also consult invoices, set initial credit for fleet EV driver wallets, charge the EV driver wallet in kWh, and set threshold values to receive alert notifications.

History

Users can consult the history of all top-ups carried out on both public and domestic markets, providing a comprehensive **overview of their charging activities.**

Billing & Pricing

This feature includes €/kWh price configuration for different technologies, management of pricing and coupon forms, and comprehensive billing management.





About NTTDATA

NTT DATA - a part of NTT Group - is a trusted global innovator of IT and business services headquartered in Tokyo. We help clients transform through consulting, industry solutions, business process services, IT modernization and managed services. NTT DATA enables clients, as well as society, to move confidently into the digital future. We are committed to our clients' long-term success and combine global reach with local client attention to serve them in over 50 countries.