

Syntphony Smart Sustainability

A comprehensive platform that uses AI to optimize resource use and network management in water, energy, mobility, and supply chain systems. We address environmental impact management, ensuring regulatory compliance, and improving operational efficiency for both the public and private sectors.



Insurance



Telco, Media & Technology



Energy & Utilities



Retail



Manufacturing &
Consumer Packaging Goods



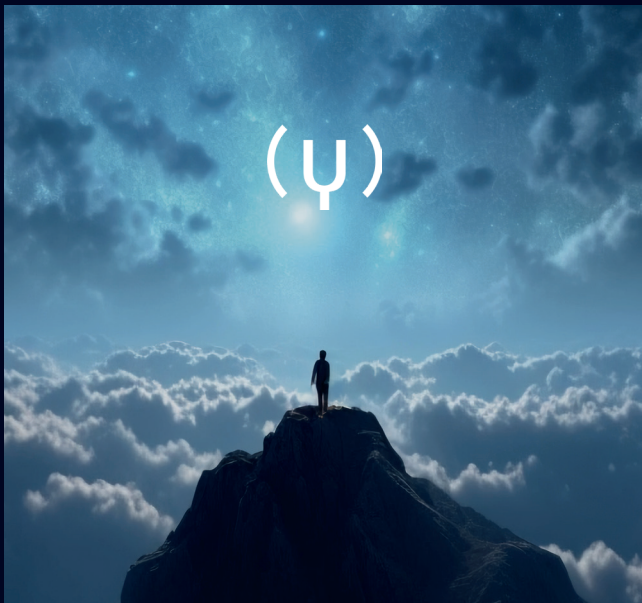
Automotive



Healthcare, Life Sciences & Pharma

syntphony

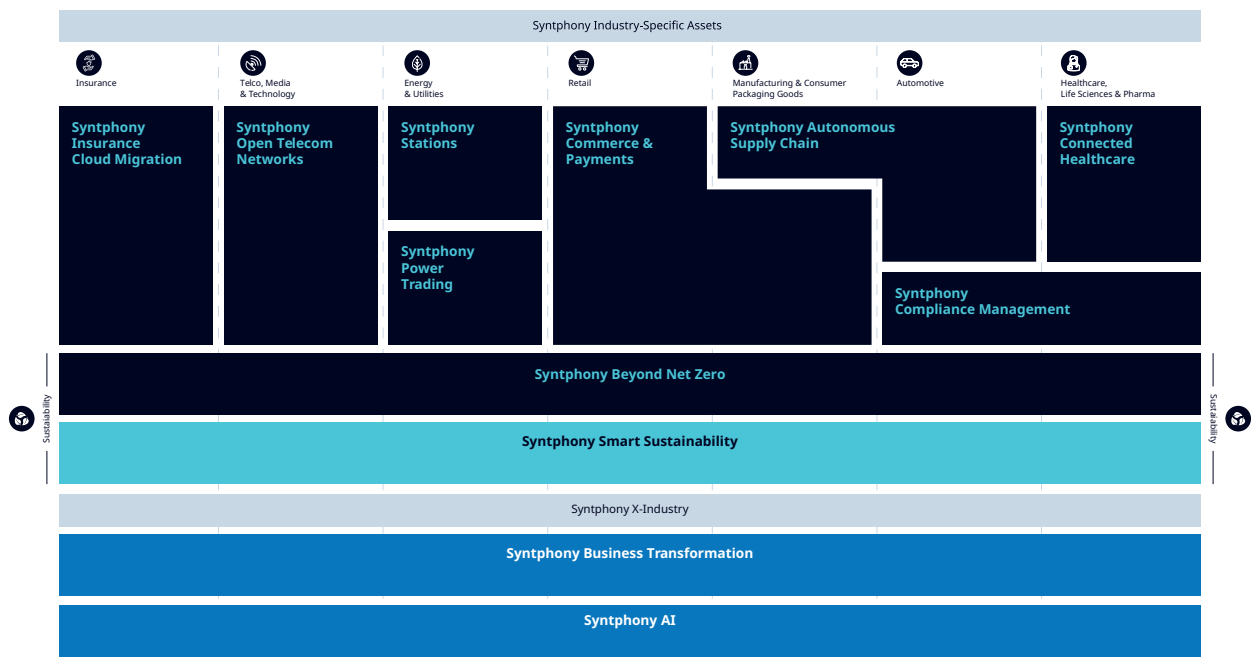
We develop products and solutions that are in tune with businesses



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.

Value Chain Traceability

Value Chain Traceability

Water Management

EV Charging

Mobility Management

Achieving full transparency in the value chain to reach everyone.

Syntphony Value Chain Traceability is a cloud-based solution providing full GS1-based product traceability, LCA calculation, and sustainability data integration from a single source of truth. Designed for supply chains where transparency is essential, **it ensures reliable, immutable data**—unlike conventional ERP systems.

This tool enables complete, certifiable traceability and sustainability insights, fostering trust across all stakeholders. **It empowers end customers and supply chain participants with transparent, verifiable information, supporting compliance and future-proofing operations** in increasingly regulated, sustainability-driven environments.

Cloud-based platform for product traceability visualisation, enabling access to recorded data and documents at each supply chain stage. Centralised, transparent data ensures regulatory compliance and trust. Accessible via ERP-connected APIs or the main webpage.

- **Uniformity:** GS1 standard defines minimum data structures for process stages and required information.
- **Adaptability:** Stakeholders receive tailored permissions for traceability visualisation.
- **Customisation:** GS1-based models adapt to individual client needs.



Differentiation

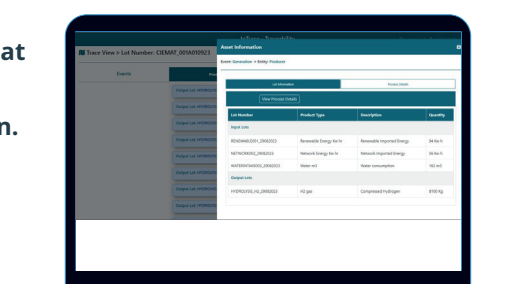
This solution combines a product traceability tool with the benefits of Blockchain deployment, offering inherent security, operational control, and immutable records—its key differentiating value.

The use of the GS1 standard provides an internationally recognised framework, ensuring structured, reliable data and alignment with future regulatory requirements.

Blockchain enhances trust and transparency across the supply chain, while GS1 ensures consistency and interoperability.

Together, they deliver a robust, future-ready traceability system that meets the demands of compliance, security, and global standardisation.

Item	Product Name	Product Type	Product Description	Product ID	Product Status
1	MEXILION DEPURADO	MEJILLON LACASITO	MEJILLON LACASITO	2302311D-1	Active
2	MEXILION DEPURADO	MEJILLON LACASITO	MEJILLON LACASITO	2302311D-1	Active
3	MEXILION DEPURADO	MEJILLON LACASITO	MEJILLON LACASITO	2302311D-1	Active
4	MEXILION DEPURADO	MEJILLON LACASITO	MEJILLON LACASITO	2302311D-1	Active
5	MEXILION DEPURADO	MEJILLON LACASITO	MEJILLON LACASITO	2302311D-1	Active



Benefits

Centralised Information

All traceability data is compiled in a shared repository. The tool connects via APIs to ERP systems or allows manual input.

Increased Brand Trust

Smart Contracts enforce accurate data submission with required documentation, reducing downstream errors.

Easier Audits

Participants access the tool via API using digital certificates; each action is linked to a verified digital identity.

Confidentiality

Certificates define identity and access rights, preventing unauthorised access.

Increased Green Value

Supports sustainability goals through transparent data.

Increased Customer Satisfaction

Builds trust through reliable traceability.

Full Transparency of the Value Chain

Ensures visibility across all stages.

Features

Document/Certificate Association

The API links documents and certificates to product units, maintaining the link through disaggregation for full lifecycle traceability.

Physical Labels (QR Codes)

QR codes generated at traceability events link to product identifiers and display selected data/documents externally.

Interoperability

Access via API through GUI or IT system integration.

Scalability

Supports high transaction volumes and complex value chains.

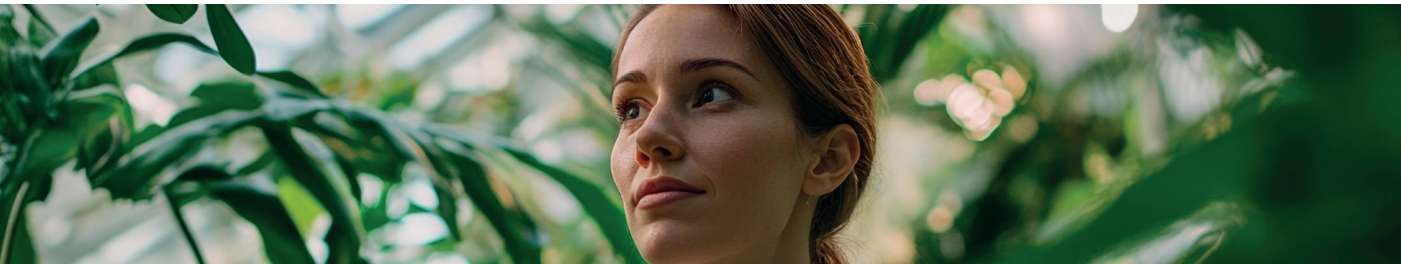
Document Management

Enables implementation and control of certification schemes.

Data model flexibility

Full ERP Integration

Certificate and information association to lots



Use cases

CO2 Management

AI satellite image analysis in conjunction with ML for carbon credit management, forestry projects and carbon farming.

Green energy generation

Certifies the origin and sustainability of renewable energy production, enhancing trust and reporting accuracy.

Green energy for EVs

Enables traceability of renewable energy sources within electric vehicle charging networks, ensuring transparency and sustainability.

Protected Designation of Origin (PDO)

Verifies the authenticity and origin of PDO-labelled products, preserving cultural and regional value.

Food traceability

Tracks food products across the supply chain, ensuring safety, quality, and compliance with regulatory standards.

Water Management

Value Chain Traceability

Water Management

EV Charging

Mobility Management

Designed to digitalize and optimize water network management, providing a data-driven approach for more effective and sustainable decision-making. Transforming Water Network Management with Data-Driven Solutions.

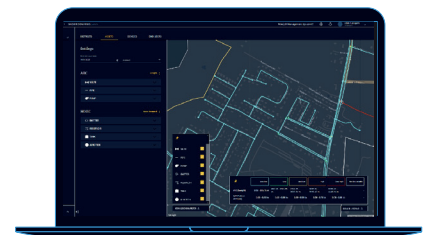
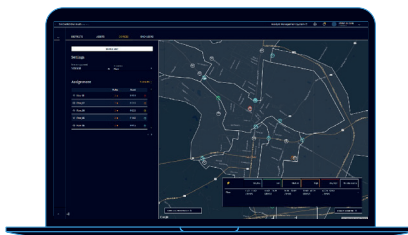
Syntphony Water Management is our omnilabel solution for the Water Management System, designed to digitalize and optimize water network management, providing a data-driven approach for more effective and sustainable decision-making.

- **Centralised Management:** Administer all water distribution operations from a single platform, enhancing coordination and efficiency.
- **Consumption Measurement:** Monitor real-time water use to detect leaks and optimise resources.
- **Billing Automation:** Streamline billing, reduce errors, and boost customer satisfaction.
- **Water Quality Monitoring:** Ensure water meets safety standards to protect public health.

Industry Cloud Platform with a Composable Platform approach and provide real-time monitoring, efficient resource management, and regulatory compliance using IoT, AI, and cloud technologies. Integrate digital twins for predictive infrastructure management and seamlessly connects with company systems.

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Improves water network situational awareness through geolocated, layered map information, near real-time device data monitoring and alerts.



Differentiation

Syntphony Water Management stands out for its flexible architecture, predictive analytics capabilities, and advanced integration with existing enterprise systems.

The platform is **scalable, modular, and designed to adapt to the specific needs** of each water utility operator.

+35%

Process optimization

6M

People served through a 40K km network across 2,000+ districts.

Benefits

A customizable solution for Water Management

Real-Time Network Monitoring

Always up-to-date network characteristics with concise, geolocated visualisation. Apply filters and insights by date or asset type.

Reduce Water Losses & Improve Efficiency

Visualise districts, calculate KPIs automatically, and compare areas both qualitatively and quantitatively.

Predict Anomalies & Optimise Maintenance

Continuously monitor hydraulic behaviour, receive alerts, and access detailed component data.

Integrate Multiple Data Streams

Combine IoT, SCADA, and GIS into one platform with integrated visualisation, custom dashboards, time-based charts, and hydraulic simulations based on real data.

Features

Network Management

- Digital Twin for meters and network Mngmt.
- Network districting for targeted management.
- Management of end-users and their consumption.

Monitoring and notification

- Real-time alerts and notifications for anomalies and variations.
- Interactive dashboards for continuous monitoring.
- Water consumption estimation at different hierarchical levels.

Analysis and optimization

- Hydraulic simulations to optimize consumption and prevent losses
- Pre-allocation of water losses with containment strategies
- KPIs and reporting to measure performance



Use cases

Real-Time monitoring and leak alarm

Detects leaks early using real-time flow and pressure data, triggering alarms when thresholds are exceeded.

Leak preallocation for intervention planning

Estimates leaks by area to prioritise detection efforts and optimise limited budgets.

Hydraulic simulation for pressure optimisation

Simulates pressure scenarios using nighttime data to reduce leaks without affecting service.

Information unification for informed decisions

Integrates data from multiple systems, ensuring all departments access consistent information for coordinated, data-driven decisions.

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EV Charging

Value Chain Traceability

Water Management

EV Charging

Mobility Management

As electric vehicles transform global mobility, the need for smart, scalable, and sustainable charging solutions is more critical than ever.

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.

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

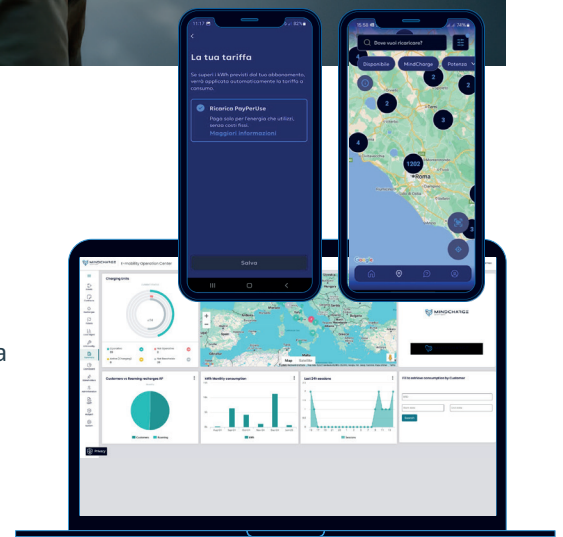
In addition to our technological capabilities, we are committed to sustainability and innovation.

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.**



Differentiation

- **Comprehensive Software, Endless Possibilities:** Syntphony EV Charging stands out in the market for its comprehensive software that caters to all EV charging scenarios.
- **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.
- **Innovative and Adaptive Technology:** The cloud-agnostic design of Syntphony EV Charging ensures resilience and effective workload management, providing a hassle-free user experience.



Benefits

Quick Market Entry

Launch in just one week with our white-label solution, reducing costs and accelerating revenue.

Customizable, Scalable Solutions

Adapt the platform to your business needs and easily integrate future stations.

Comprehensive Service Offering

End-to-end support from advisory to implementation, trusted by top Italian providers.

Customer Experience & Support

24/7 expert assistance ensures minimal downtime and strong customer satisfaction.

Future-Ready & Innovation-Driven

Part of the Syntphony ecosystem, backed by NTT Group's major R&D investment.

Security & Trust

Robust SaaS security with D-DOS protection, identity management, and real-time monitoring.

Features

Operational efficiency:

- HW Agnostic
- Remote Management
- Reporting & Analytics
- Reservation

Seamless Payments & Customer Engagement:

- Cupon Management
- Payment & Billing
- POS Integration
- Tariff Management

Scalability & Flexibility:

- Scaling & Security
- Partner & Settlement
- Integrations
- White label

Smart Charging & Energy Optimization:

- Load management & Smart charging
- Roaming Hub & P2P

Use cases

Public Charging

Users locate, book, and start charging sessions via the app, receiving notifications when charging is complete.

Fleet Charging

Fleet managers monitor stations, assign RFID cards, and track employee consumption across private and public points.

Domestic Charging

Users install a home box, link it to the app, and manage charging sessions remotely.

Optimised Charging

AI-driven scheduling adjusts energy use, prioritising renewable sources.

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Private Charging

Companies install and manage stations, enabling customer access through MSP agreements.

Workplace Charging

Employers offer EV charging as a benefit using vouchers or RFID cards, on-site and off-site.



Mobility Management

Value Chain Traceability

Water Management

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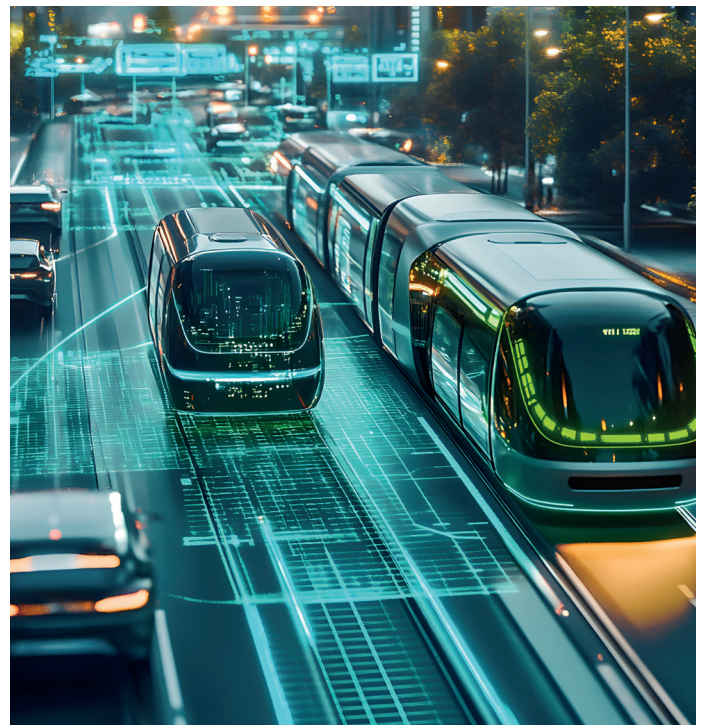
A unique solution to improve multimodal mobility experience in which public authorities and private operators coexist in an integrated planning ecosystem positioning citizen in the core of the model.

Syntphony Mobility Management is a robust, ready-to-deploy platform designed to deliver flexible and scalable solutions across a wide variety of mobility use cases. Its citizen-centric approach ensures that every interaction is intuitive and simple, improving the user experience.

The platform is made up of various modules, including payment management, dashboards, reporting, consultation, and trip planning. Its versatility makes it ideal for public administrations and large companies looking for an efficient solution to optimize their mobility services.

A digital ABT (Account Based Ticketing) platform with a modular design of solutions that make up the platform suite and that allows it to be used as an accelerator to deploy the necessary solutions according to customer needs

The platform is a set of solutions composed of different tools and operational modules to meet all the requirements collected by customers. Its modular nature allows the necessary applications to be deployed in each case.

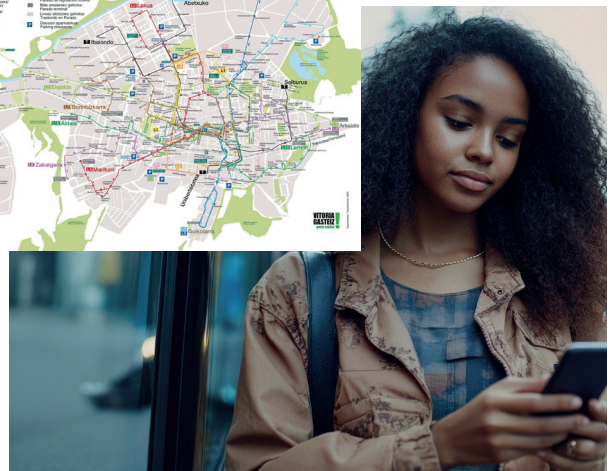


Differentiation

One of the key strengths of **Syntphony Mobility Management** lies in its adaptability and seamless integration capabilities.

Our product is not just a standalone solution; it's a dynamic platform that can be tailored to meet the specific needs of our clients.

We have a **multidisciplinary team** which allows us to tackle projects with a strategic and complete vision. We optimize development starting from a consolidated application, guaranteeing speed without compromising quality. In addition, we offer a flexible SaaS and PaaS platform, adapted to various needs.



Benefits

Enhanced user experience	Cost efficiency
Unmatched flexibility in fares and payment models	Customization and enterprise readiness
Insightful understanding of users	Citizen-centric
Intelligent compensation system	Profitability and expertise
Scalability and future-readiness	Streamlined operations
Insightful understanding of users	

Features

Account Based Ticketing (ABT) System	Real-Time monitoring and tracking
Multiple means of access	Digitisation and Data Management
Information on planning and transport	Controlled and monitored Mobility
Agile fare implementation	Evolution of Intelligent Transport Systems (ITS)
Ticket Sales	Mobile accessibility and payment
Event and incident coordination	Mobile Payment Integration

Use cases

Mobility Management and Monitoring	Public Transport Ticketing with ABT Solution and QR Payments	Real-Time information and Mobility Planning	Smart City and Sustainable Mobility Management
Transport Information Management	Mobility Customer Service	Travelers Loyalty	





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.