Unlock a Sustainable
Future of E-Mobility

Content

Introducing the Future of Electric Mobility

In a world where sustainable transportation isn't just a preference, but an absolute imperative, QSS as a visionary software company is thrilled to introduce the Open e-Mobility App. This groundbreaking solution is poised to reshape the electric vehicle (EV) charging ecosystem, ushering in an era of unparalleled convenience, efficiency, and environmental responsibility.

Green Mission

Our Open e-Mobility solution is a game-changer that promises to drive the future of green, clean and convenient transportation.

Environmental Imperative

E-mobility represents a critical response to the urgent need to combat climate change and reduce air pollution.
As the transportation sector is a major contributor to greenhouse gas emissions, the transition to electric vehicles (EVs) plays a pivotal role in mitigating environmental damage.

EVs produce zero tailpipe emissions, helping to clean the air we breathe and decrease our carbon footprint.

Resource Efficiency

E-mobility champions resource efficiency by utilizing electricity, which can be generated from renewable sources, to power vehicles.

This reduces our dependence on finite fossil fuels, lessens the strain on global energy resources, and promotes sustainable energy practices.

Sharing the charge

The potential of peer-to-peer EV charging

In an era driven by sustainability and environmental consciousness, the electric vehicle (EV) revolution is gaining momentum worldwide. However, as the number of EVs on our roads continues to grow, so does the need for innovative and efficient charging solutions. One such groundbreaking concept is Peer-to-Peer (P2P) EV Mobility Charging, a game-changer that not only makes EV charging more accessible but also fosters a sense of community and shared responsibility.

P2P EV Mobility Charging is a novel approach that leverages the collective power of EV owners to create a seamless and convenient charging ecosystem. At its core, this innovative solution allows EV owners to share their charging infrastructure with others, turning personal charging stations into community resources.
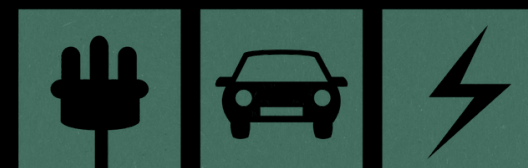
All of this calls for intelligent platform to manage everything efficiently.

Efficiency through Sharing

Sustainability

Accessibility for All

Cost Savings

Platform for **Charge Point Operators (CPO)**: Empowering Your EV Charging Infrastructure

Our platform is a catalyst for the success of charge point operators in the electric mobility sector. With its user-centric features, revenue-enhancing strategies, data-driven insights, and operational efficiency tools, it empowers CPOs to build a robust, future-ready charging network while promoting sustainable transportation solutions. It's a game-changer that propels CPOs towards a greener, more profitable future in the EV industry.

Business Benefits

Enhanced User Experience

It provides CPOs with tools and features to offer seamless, user-friendly charging solutions. This includes user authentication, payment processing, and real-time charging station availability updates, fostering customer loyalty and satisfaction.

Increased Revenue Streams

CPOs can implement subscription models, pay-per-use pricing, and demand-based pricing strategies. This flexibility allows for optimized pricing structures to maximize profitability.

Efficient Operations

offers comprehensive management tools for monitoring charging station performance, scheduling maintenance, and remotely resolving issues. This proactive approach minimizes downtime and ensures reliable service.

Network Expansion

Valuable insights into charging station utilization and user behavior, aiding CPOs in identifying high-demand locations for network expansion.

Data-Driven Insights

Collects and analyzes data on charging sessions, user preferences, and station performance. These insights can be leveraged for informed decision-making, optimizing charging station locations, and planning for future infrastructure investments.

Compliance and Reporting

Simplifies compliance management by offering tools for tracking and reporting charging station usage, energy consumption, and revenue, helping CPOs adhere to regulatory requirements effortlessly.

Integration Capabilities

Seamless integration with various third-party systems, including energy management systems and electric utility interfaces. This interoperability ensures compatibility and flexibility in managing charging stations.

Brand Visibility

CPOs can enhance their brand visibility and recognition through EV-Mobility. The platform can be customized to reflect the CPO's brand identity, fostering a sense of trust and reliability among users.

Cost Efficiency

Efficient resource allocation is critical for profitability. EV-Mobility aids CPOs in optimizing energy usage, load balancing, and maintenance scheduling, reducing operational costs.

Sustainability

By facilitating the growth of the EV charging infrastructure, CPOs using EV-Mobility platform are contributing to a more sustainable transportation future, reducing carbon emissions and air pollution.

We have developed an all-encompassing **EV charging management platform**. This comprehensive platform comprises a tailored mobile app designed for end-users, user-friendly web interfaces, and a robust backend system.

Our aim is to empower businesses and organizations to streamline their EV charging operations, provide a seamless experience for their customers, and efficiently manage all aspects of their charging infrastructure

Our platform provides comprehensive functionalities for overseeing connected charging stations:

- Sets pricing strategies for charging services with **Pricing Engine.**

- Handles RFID card-based access control with **RFID Card Management.**

- Offers insights and analytics on charging station usage and optimizes charging based on demand and availability.

- Manages payments and invoicing through the Stripe payment system with **Billing.**

- Organizes and manages charging station locations within an organization with **Organization Management.**

- Allows EV users to access charging stations from various networks and handles refunds for charging sessions, including those conducted at employees' homes.

- Integrates with various car management systems for seamless connectivity with **Car Management and Car Connector integration.**

- Keeps track of assets related to charging stations, such as solar panels and battery storage with **Asset Management.**

- Simplifies the setup and configuration of charging stations.

Features

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- **Efficient Device Management:** Manage charging stations effortlessly with a user-friendly interface.
- **Real-time Session Monitoring:** Track charging session status and infrastructure in real-time.
- **Seamless Communication:** Establish two-way communication with vendor-neutral charging systems using OCPP.
- **Streamlined Onboarding:** Simplify EVSE setup and onboarding processes.
- **User Access Management:** Easily manage EV authorization and user access.

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- **Intelligent Charging Distribution:** Enable intelligent charging across multiple grid segments for efficient energy distribution.
- **Grid Compliance:** Ensure compliance with grid limitations to prevent overloading and maintain stability.
- **Optimized Pricing:** Implement energy pricing optimization to minimize costs for users and operators.
- **Comprehensive Insights:** Gain detailed insights into charging processes, energy expenditures, and grid usage for better transparency and decision-making.
- **Efficient Load Management:** Decrease energy expenses through smart load management and grid-compliant charging practices.

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- **Versatile Pricing:** Provide flexible pricing for various charging scenarios.
- **Real-time Invoicing:** Offer immediate invoicing for all customers.
- **Roaming Integration:** Integrate with regional roaming providers for better public charging access.
- **Employee Reimbursement:** Simplify employee charging reimbursement.
- **Efficient Billing:** Streamline pricing, billing, and invoicing for a seamless experience.

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- **Customer-Centric Service:** Prioritize customer and driver satisfaction with EV-focused service.
- **Swift Issue Resolution:** Quickly resolve EVSE issues to minimize driver disruptions.
- **Rapid Support System:** Maintain a responsive support system for inquiries, improving the driver experience.
- **Fleet Insights:** Provide comprehensive electric vehicle insights using SAP Digital Vehicle Hub for fleet managers.
- **360-Degree View:** Offer a complete view of EV operations for better decision-making and optimization.
- **EMSP Brand Empowerment:** Enable EMSPs to create personalized branding experiences, enhancing brand identity and loyalty.

Transforming Transportation, Boosting Revenue, and Leading the Charge Towards a Sustainable Future!

Payment Integration

Charging Status Updates

Users are informed with instant charging status updates sent directly to device.
Monitoring EV's progress, estimated charging time, and receiving notifications when vehicle is fully charged.

- Our app connects EV owners to an extensive network of charging stations, providing real-time availability, location information, and booking options.
- With a user-friendly interface, finding and accessing charging stations has never been easier.

- Simplify payments with secure and convenient transaction processing. Users can pay for their charging sessions seamlessly through various payment methods, including credit cards, mobile wallets, and more.

Seamless Charging Access

- The app offers integrated navigation features, guiding users to the nearest available charging stations, optimizing routes for efficiency, and ensuring peace of mind on long journeys.

- Customizing experience with user profiles, allowing users to save favorite charging locations, preferred payment methods, and historical charging data.

Navigation Assistance

User Profiles

QR Code Scanner

Users can effortlessly scan QR codes with the app, granting them access to charging stations and making the EV charging process quick and convenient. Simply point your smartphone, scan, and charge with ease.

Sites

Access a comprehensive list of charging site locations, explore their amenities, and find the nearest charging station sites based on your location. Users can plan their routes, ensuring a smooth journey every time.
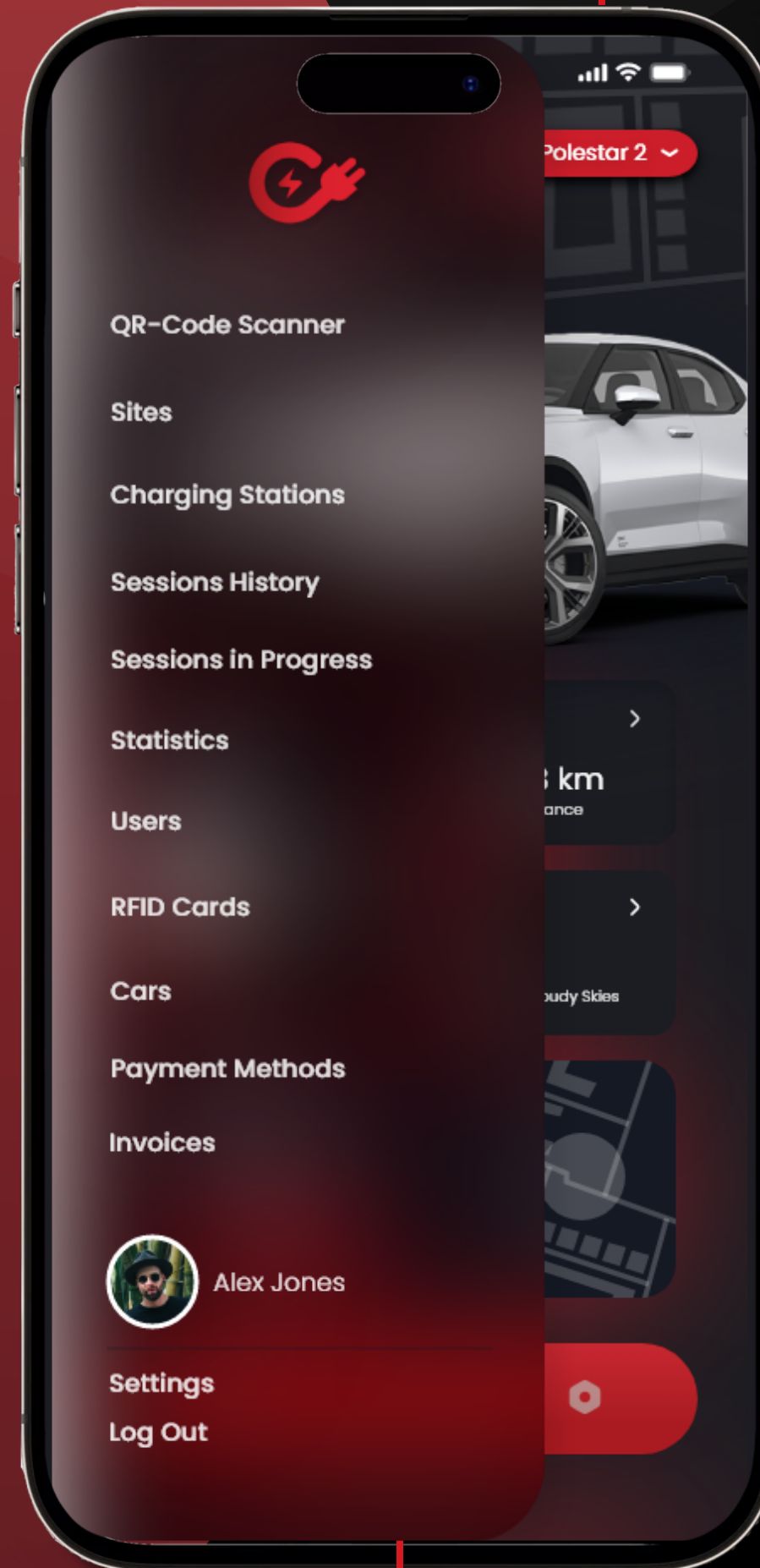
Charging Stations

Detailed information about individual charging stations, such as availability, charging speed, and user reviews. Users can make informed choices on where to charge their EVs for the best experience.

Session History

Keep a record of all previous charging sessions, including timestamps, locations, and energy consumption data. Users can review their charging history and gain insights into their EV usage patterns.

Payment Methods

Add and manage various payment methods, from credit cards to mobile wallets, ensuring a seamless and secure payment process for charging sessions.

Statistics

Access in-depth statistics on energy consumption, costs, and savings. Users can track their environmental impact, cost savings, and overall EV performance.

Users

Manage user profiles, preferences, and security settings within the app. Users can customize their experience, save favorite locations, and maintain control over their account.

RFID Cards

Simplify the charging process by linking RFID cards to your account. Users can seamlessly authenticate and initiate charging sessions with a simple tap of their RFID cards.

Cars

Register multiple electric vehicles under one account, making it convenient for users with more than one EV in their household. Keep all vehicle information and preferences in one place.

Invoices

Access and download detailed invoices for each charging session, making expense tracking and reimbursement easy. Users can stay organized and have a clear record of their charging expenses.

Polestar 2

QR-Code Scanner

Sites

Charging Stations

Sessions History

Sessions in Progress

Statistics

Users

RFID Cards

Cars

Payment Methods

Invoices

Alex Jones

Settings

Log Out

Need more information?

sales@qss.ba

www.qss.ba   www.qsscloud.ba

+387 33 563 000

QSS is a **digitally mature** and **innovative** IT solution provider that offers **end-to-end complex IT** solutions by developing **customized cloud-native** software projects across various business verticals for the most demanding customers in Southeast Europe.

We are dedicated to our **green agenda** and firmly believe in the importance of promoting sustainability. Our **twin transition solutions** are a testament to this commitment, as they not only increase a **company's resilience** but also play a role in reducing its **carbon footprint** and making a positive impact on the environment.

Leading the Way Toward a Sustainable Future: Providing Smart, Reliable, and Environmentally-Friendly EV Charging Solution

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