

PRODUCT PORTFOLIO



chargeNET
ALL ELECTRIC . SUPER SMART

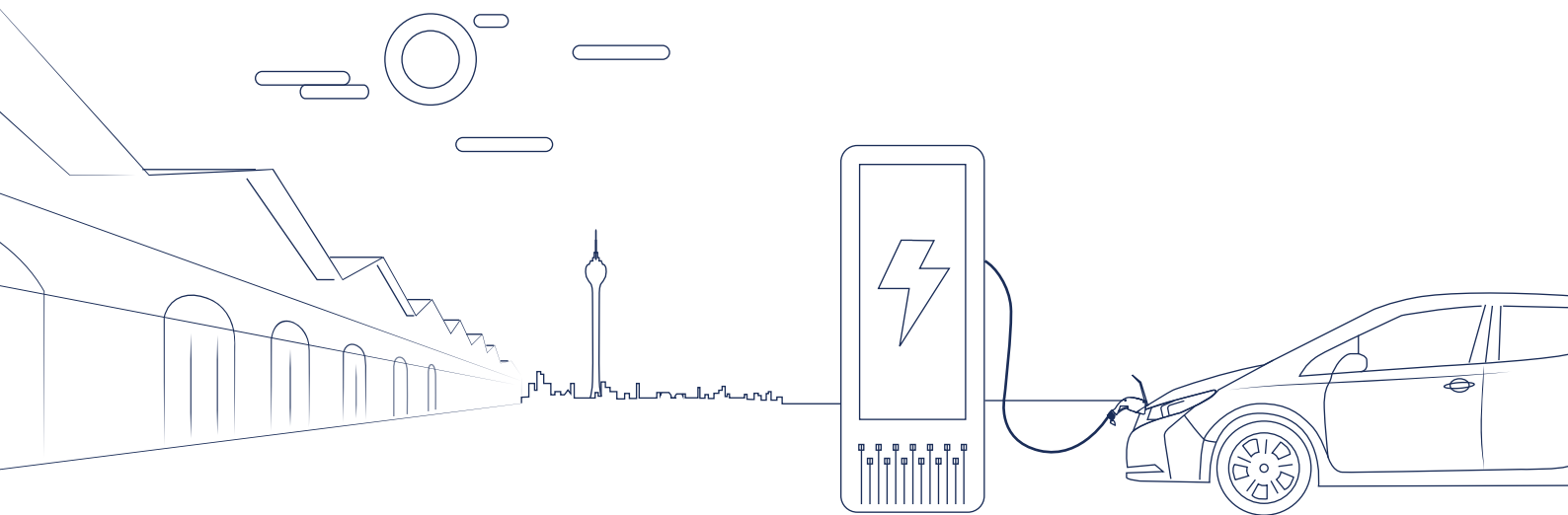
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chargeNET



chargeNET The Company

chargeNET, a pioneering company based in Sri Lanka, stands at the forefront of the electric vehicle charging infrastructure sector. Specializing in the development of high-quality electric chargers for various vehicle types including cars, three-wheelers, and motorbikes, chargeNET has established an extensive network of car chargers throughout the country. Emphasizing a commitment to continual innovation and advancement, chargeNET devotes significant resources to research and development initiatives to ensure the delivery of cutting-edge products to its customers.

In light of its success in the Sri Lankan market, chargeNET is now poised to embark on a global expansion journey. Recognizing the immense potential of the electric vehicle industry on a global scale, chargeNET is actively seeking funding to propel its presence into new markets worldwide. With a comprehensive range of low and high voltage chargers designed to meet the diverse needs of electric vehicle owners, chargeNET is well-positioned to capitalize on the burgeoning demand for sustainable transportation solutions. Leveraging its innovative technology, chargeNET aims to seize the myriad opportunities presented by the rapid growth of the electric vehicle industry and establish itself as a key player in the global market.



Our unique proposition

Established in 2015, chargeNET emerged with a bold vision to transform the landscape of electric vehicle charging infrastructure in Sri Lanka. From its inception, the company has remained steadfast in its commitment to revolutionize the way electric vehicles are powered and charged. Through relentless dedication to innovation and technological advancement, chargeNET has reached several notable milestones, cementing its position as a leader in the Sri Lankan market for sustainable transportation solutions.

Over the years, chargeNET has earned a reputation for developing cutting-edge charging solutions that cater to a diverse range of electric vehicles, including cars, three-wheelers, and motorbikes. This unwavering dedication to

only established chargeNET as a trusted name among consumers but has also solidified its standing as a reliable partner for businesses and organizations seeking sustainable mobility solutions.

Building upon its success in Sri Lanka, chargeNET now sets its sights on the global stage. With a proven track record of delivering innovative products and services that meet the evolving needs of customers, chargeNET is well-positioned to expand its operations and bring its cutting-edge charging solutions to a broader audience worldwide. Through a strategic and customer-centric approach, chargeNET is committed to serving customers across borders and delivering sustainable transportation solutions that drive positive change on a global scale.



Market Opportunity

Market Opportunity with Facts and Statistics with Reference: The global market for electric vehicle chargers is currently witnessing unprecedented growth, with projections indicating a surge in demand for charging infrastructure in tandem with the rising adoption of electric vehicles worldwide. According to a recent report by Market Research Future (MRFR), the global EV charging station market size was valued at USD 5.3 bn in 2020 and is anticipated to reach USD 109.72 bn by 2028, registering a compound annual growth rate (CAGR) of 44.8% during the forecast period.

This exponential growth can be attributed to several key factors, including the increasing awareness of environmental sustainability, advancements in electric vehicle technology, and stringent government regulations aimed at reducing carbon emissions. Countries such as China, the United States, and European nations have been at the forefront of promoting electric vehicle adoption through incentives, subsidies, and infrastructure development.

As governments worldwide continue to prioritize the transition to electric mobility and set ambitious targets for the reduction of greenhouse gas emissions, the demand for electric vehicle chargers is expected to soar in the coming years. This presents a significant opportunity for companies like chargeNET, which offer a diverse range of chargers tailored to meet the specific requirements of different vehicle types and voltage capacities.

With its robust understanding of market dynamics and a clear strategic roadmap for expansion, chargeNET is strategically positioned to capitalize on the burgeoning global electric vehicle charging market. By leveraging its innovative technology, strong product portfolio, and commitment to sustainability, chargeNET aims to carve out a substantial market share and establish itself as a key player in the rapidly evolving landscape of electric vehicle charging infrastructure.



Product Portfolio with Market Size

Growth Potential, and References: chargeNET distinguishes itself through a diverse and comprehensive range of electric chargers, spanning low and high voltage options tailored for cars, three-wheelers, and motorbikes. These chargers are meticulously designed with advanced features, including fast charging capabilities, intuitive user interfaces, and seamless compatibility with a wide array of leading electric vehicle models. chargeNET's unwavering commitment to quality and reliability has earned commendations from both satisfied customers and industry experts, underscoring the company's dedication to delivering exceptional charging solutions.

The global market for electric chargers is experiencing rapid expansion, offering immense growth opportunities driven by the increasing adoption of electric vehicles across various sectors. According to a recent study by ResearchandMarkets, the global electric vehicle charging station market size is projected to reach USD 72.06 bn by 2027, expanding at a CAGR of 40.7% over the forecast period. This remarkable growth trajectory is fuelled by the escalating demand for sustainable transportation solutions, coupled with supportive government initiatives and a shift towards reducing carbon emissions.

As chargeNET sets its sights on global expansion, the company aims to cater to the burgeoning electric vehicle market by providing cutting-edge charging solutions for cars, three-wheelers, and motorbikes. With chargeNET's innovative product portfolio and commitment to meeting the evolving needs of electric vehicle owners, the company is well-equipped to capitalize on the growing demand for efficient and reliable charging infrastructure across the globe. By aligning its ambitions with the market trends and dynamics, chargeNET is poised to establish a formidable presence in the electric vehicle charging industry and enhance its reputation as a provider of premium charging solutions.



Research and Development

At chargeNET, we pride ourselves on our extensive experience in the field of electric vehicle charging solutions, bolstered by a robust research and development (R&D) mentality that drives our commitment to innovation. With a legacy of successful projects and a dedicated team of seasoned engineers and technicians, chargeNET has honed its expertise over the years, positioning us as a trailblazer in the electric vehicle charging industry.

Our R&D endeavours are characterized by a relentless pursuit of excellence, as we continuously explore cutting-edge technologies and techniques to maintain a competitive edge and meet the ever-evolving needs of our customers. Through a collaborative and agile approach to R&D, chargeNET's team works synergistically to develop proprietary technologies that enhance the performance, efficiency, and reliability of our chargers.

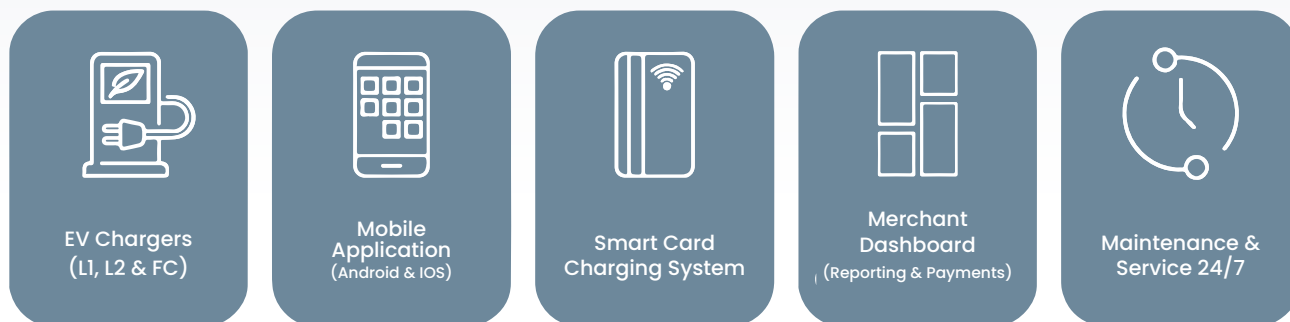
As champions of continuous improvement, chargeNET invests significantly in our R&D initiatives to ensure that our products remain at the forefront of technological advancement. By staying abreast of industry trends, consumer preferences, and emerging technologies, chargeNET is well-equipped to introduce a steady stream of new and innovative products to the market, catering to the dynamic demands of the electric vehicle ecosystem.

With a proven track record of innovation and a steadfast commitment to staying ahead of the competition, chargeNET's R&D ethos underscores our dedication to shaping the future of electric vehicle charging solutions. By harnessing our wealth of experience, expertise, and forward-thinking mentality, chargeNET is primed to lead the charge in delivering state-of-the-art products that redefine the standards of excellence in the electric vehicle charging industry.

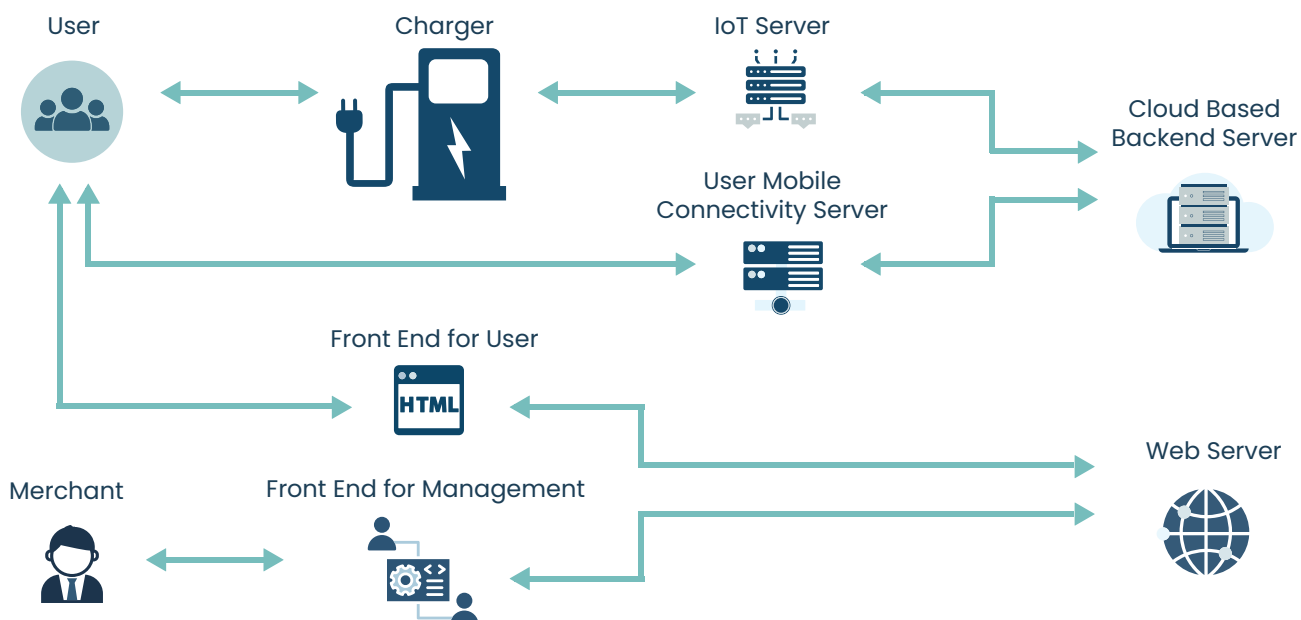


chargeNET App

Fully scalable end-to-end solution



How it works?



Sign-up, Top-up & Charge for EV Users

- ◆ Cashless transactions with smart charge card
- ◆ Online top-up for pre-paid charging
- ◆ RFID enabled, for unmanned station usage
- ◆ User-friendly web interface
- ◆ SMS instant notifications
- ◆ Track usage history, balance status by logging in



Find. Charge. Track

- ◆ Map View gives the route to the nearest charging location
- ◆ Real-time status of the chargers to check availability
- ◆ Info log for station details and contact numbers
- ◆ Real-time promo benefits
- ◆ Track time, energy usage, and account balance in real-time
- ◆ Available in both Play Store and App Store

Advance Features

- ◆ Promotions and Advertising
- ◆ Payment Gateway
- ◆ Real-time Status



Plug-in. Attract. Drive Change

- ◆ Fully automated unmanned operation
- ◆ Customizable charging time and rate
- ◆ Real-time usage statistics and report generation
- ◆ Spot promotions and coupon manager
- ◆ Customized branding on request
- ◆ Accounting solution to record, monitor and invoice every transaction

Cloud-based Charging Management System for Electric Vehicles



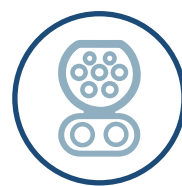
A complete end-to-end EV charging network® with integrated payments, mobile app, smart card, remote monitoring, and accounting capabilities. Supporting multiple charging standards, with OCPP 1.6, 2.0.1 capability. chargeNET's own in-house designed and manufactured EV chargers provide superior deep remote monitoring & access technology to simplify network management, enable remote preventive maintenance and reduce cost of operations.



OCPP 1.6
OCPP 2.0.1



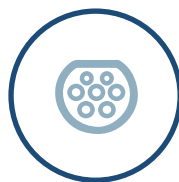
CHAdeMO



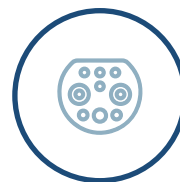
CCS
TYPE 2



SAE J1772
TYPE 1



IEC 62196-2
TYPE 2



GB/T

chargeNET Product line up

EV Chargers

Fast Charger - Single Port

EV Chargers Designed, developed and manufactured by chargeNET, our own EV chargers bring a unique value addition to our EV charging solution. We can customize the chargers to match the client's needs. Branding, electronics, user interfaces, and even advance features like communication and access control methodologies can be customized. Our vertically integrated approach to EV charging gives us a unique value proposition to bring truly customized solutions to client markets from around the globe.



200A ⚡
MAX CURRENT

⚡
150V to 1000V
VOLTAGE RANGE



RFID Tap Card, App
AUTHENTICATION METHODS



LIQUID COOLED OPERATION.



Parallel Charging



Dynamic Load
Balancing



Scalable to
30kW to 90kW

FEATURES

Non-simultaneous operation

Pre authorized Off-line Charging

Enclosure Rating – IP54/IPK10

Display – 10.1" Full Colour TFT

OTA Updates

OPTIONAL FEATURE

Advertising Screens



Fast Charger - Dual Port



Best of both worlds with CCS and CHAdeMO capability in one charger for convenience, and can be used for EV charging simultaneously with split power.


SINGLE/DUAL PORTS


200A MAX CURRENT


150V to 1000V VOLTAGE RANGE


RFID Tap Card, App AUTHENTICATION METHODS


LIQUID COOLED OPERATION.

GB/T


CHAdeMO


CCS 2



Parallel Charging


Dynamic Load Balancing


Scalable to 30kW to 90kW

FEATURES

- Non-simultaneous operation
- Pre authorized Off-line Charging
- Enclosure Rating – IP54/IK10
- Display – 10.1” Full Colour TFT
- OTA Updates

OPTIONAL FEATURE

- Advertising Screens

 **1.6J 2.0.1**



Low Voltage Charger - Commercial

Designed and developed focusing especially on the electric three wheelers and bikes, this dual port charger can be easily installed in residence and commercial spaces. It can also serve as an L2 charger for other EV's.



DUAL PORT

200A
MAX CURRENT

38V to 135V
VOLTAGE RANGE



RFID Tap Card, App
AUTHENTICATION METHODS



Parallel Charging

L2 CONFIGURABLE
UPTO 22KW



Dynamic Load Balancing

FEATURES

- Non-simultaneous operation
- Pre authorized Off-line Charging
- Enclosure Rating – IP54/IK10
- Display – 10.1" Full Colour TFT
- OTA Updates
- Payment Gateway



1.6J
2.0.1



Level 2 Charger - Home

The basic charger version of our commercial product with out the smart card and cloud connectivity. Install in your home garage, for simple plug and play operation.



J1772 TYPE 1



IEC 62196-2
TYPE 2



POWER OUTPUT

6.6kW, 11kW, 22kW

FEATURES

Non-simultaneous operation

Pre authorized Off-line Charging

Enclosure Rating – IP54/IK10

OCPP 1.6 & 2.0.1

Status Indication - LED (Home), Segment LCD (Commercial)

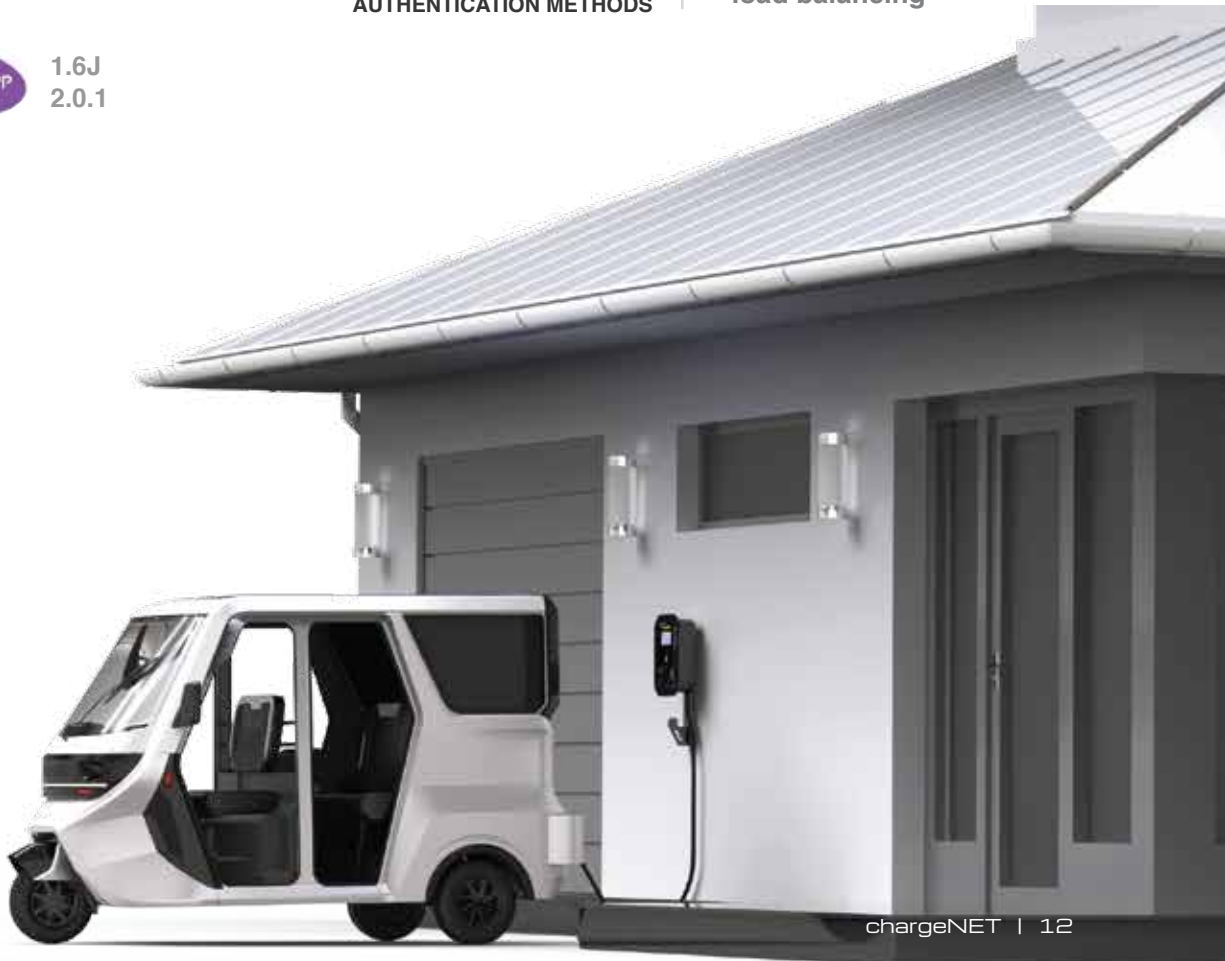
OTA Updates



RFID Tap Card, App
AUTHENTICATION METHODS



Dynamic
load balancing



Level 2 Charger - Commercial

Commercial L2 chargers for car parks, business locations, apartments,street parking locations and more. Get additional customers to your location,and addvalue to your existing businesses.



End to end connectivity with ChargeNET network

J1772 TYPE 1



IEC 62196-2 TYPE 2



POWER OUTPUT

6.6kW, 11kW, 22kW

FEATURES

Non-simultaneous operation

Pre authorized Off-line Charging

Enclosure Rating – IP54/IK10

OCPP 1.6 & 2.0.1

Status Indication - LED (Home), Segment LCD (Commercial)

OTA Updates



RFID Tap Card, App
AUTHENTICATION METHODS



Dynamic
load balancing



Level 1 Charger

Level 1 EV charger is a replacement mobile charger for your vehicle. A charger on the go, simply plug at any available power socket and charger.

- J1772 worldwide Type 1 and Type 2 standard
- 5M Cable Length
- 2.4kW/10A Rating
- 1 Year Warranty



Level 2 EV Converters

With so many different charging sockets and protocols, it's always best to carry a L2 EV converter, to increase your flexibility to charge at any charging location.

- Type 1 to Type 2 and Type 2 to Type 1 Converters
- 30A Capability
- 1 Year Warranty



Upcoming Development

Super charger

The 4-port supercharger is a high-power charging station designed to provide fast and efficient charging for up to four electric vehicles simultaneously. With its multiple ports, this supercharger is ideal for high-traffic areas such as shopping centers, airports, and business districts. Its fast charging capability ensures that EV drivers can quickly recharge their vehicles and continue their journeys with minimal downtime.

150/300 kW DC Fast Charger




**SINGLE/DUAL
PORTS**


**500A
MAX CURRENT**


**150V to 1000V
VOLTAGE RANGE**


**RFID Tap Card, App
AUTHENTICATION METHODS**


LIQUID COOLED OPERATION.




Parallel Charging


Dynamic Load
Balancing


Scalable to
150kW to 300kW

FEATURES

Non-simultaneous operation

Pre authorized Off-line Charging

Enclosure Rating – IP54/IK10

Display – 10.1" Full Colour TFT

OTA Updates

Payment Gateway

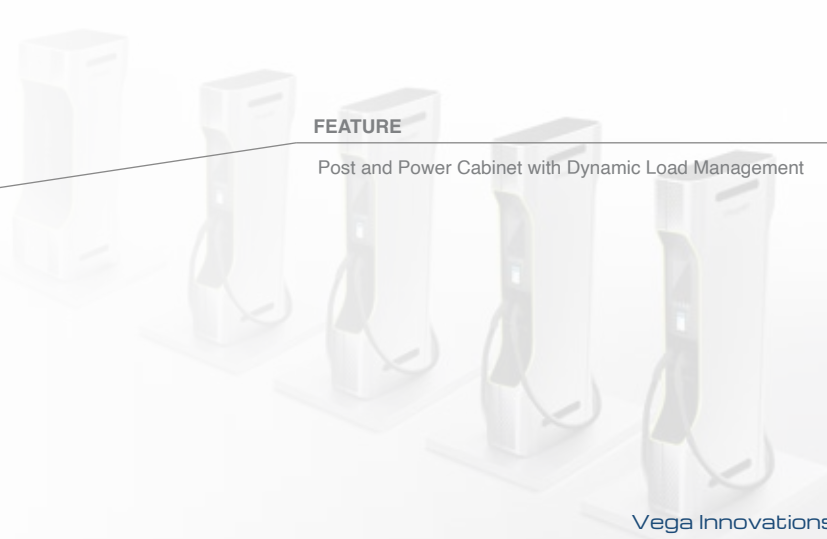
Intrusion Monitoring (CHARGE GUARD)



1.6J
2.0.1

FEATURE

Post and Power Cabinet with Dynamic Load Management



Milestones



2023

We are delighted to present Voltmotive by chargeNET, our fast charger specially designed for 3-wheelers and 2-wheelers. It offers robust support for low voltage charging of up to 20kW, ensuring efficient and reliable power delivery.



2021

We are proud to announce that chargeNET Pvt Ltd is joining hands with EV COSMOS in India to provide smart and efficient electric vehicle charging solutions in India.



2019

Successful installation of fast charger and L2 charger in a large shopping complex for the first time in Sri Lanka at Colombo City Center.



2017

The first ever dynamic load balancing apartment solution for EV charging. New design, new solution for green buildings; installed at Clearpoint Residencies.

2022

We are thrilled to announce that chargeNET is partnering with Green Charge in Georgia to deliver cutting-edge and eco-friendly electric vehicle charging solutions throughout the state.



2020

150th L2 Charger for Range Rover customers installed at Mr. Sudesh Madushan's residence.



Installed 200th Level 2 Home Charger at Kandy City Center Car Park.

2018

The chargeNET EV Fast Charging Station - Wattala was declared open by Mr. Ranjan Kumar Mohapatra, Chairman, Lanka IOC.



2015

Initiated Sri Lanka's first and largest smart EV charging solution from our own premises at Trace Expert City, Maradana.



Awards

United Nations World Summit Award Winner for High Impact Digital Innovations, purpose built for a future that is smart, connected and intuitive. Leveraging on IoT and advanced technologies, we designed one of the most comprehensive end-to-end solutions for the Automobile and Transportation sector.



Winner - Slasscom Awards 2018



Winner - E-Swabhimani 2018



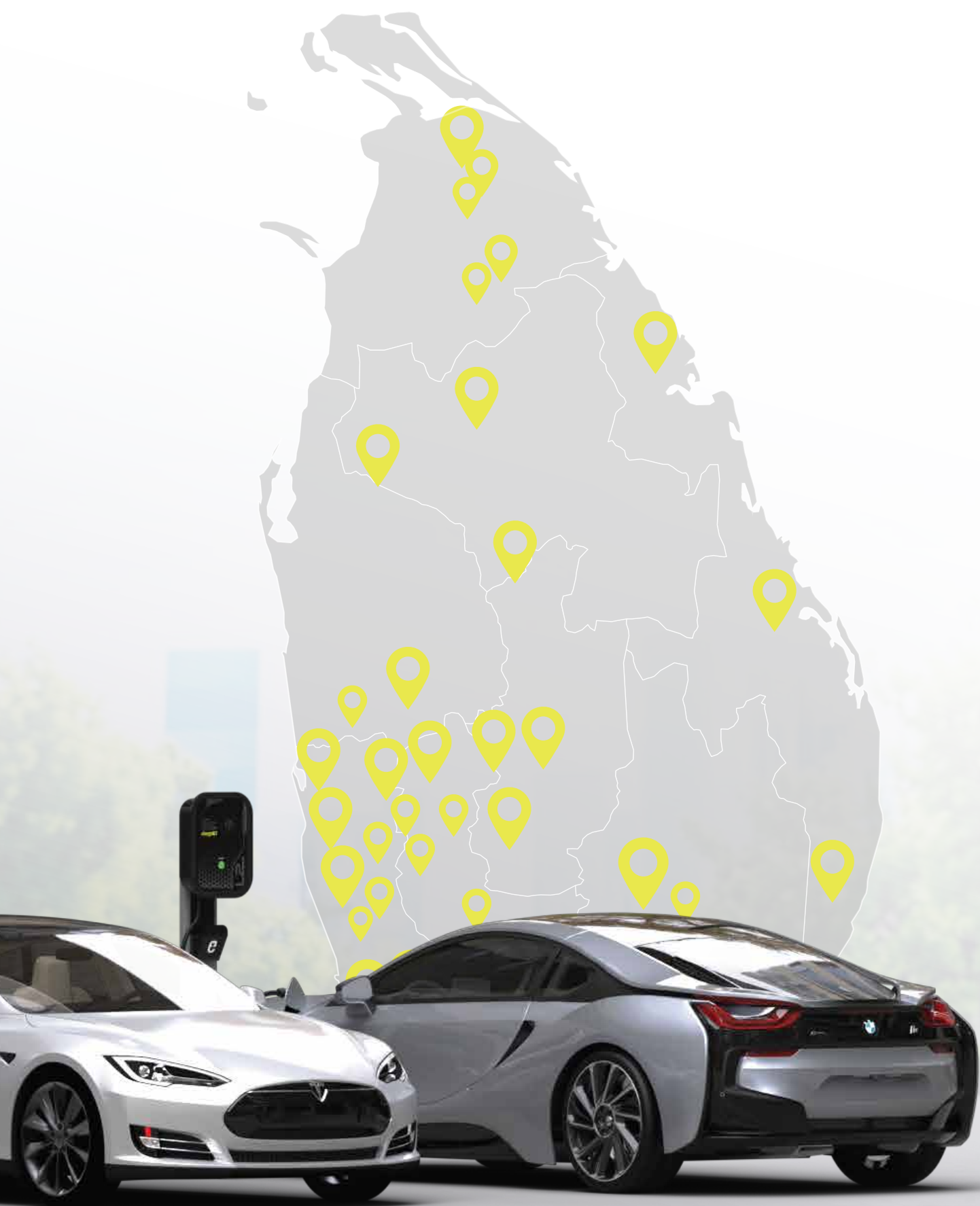
World Summit Award 2017





Powering Tomorrow Innovating Electric Chargers for a Sustainable Future!





chargeNET

ALL ELECTRIC, SUPER SMART



CHARGENET.LK