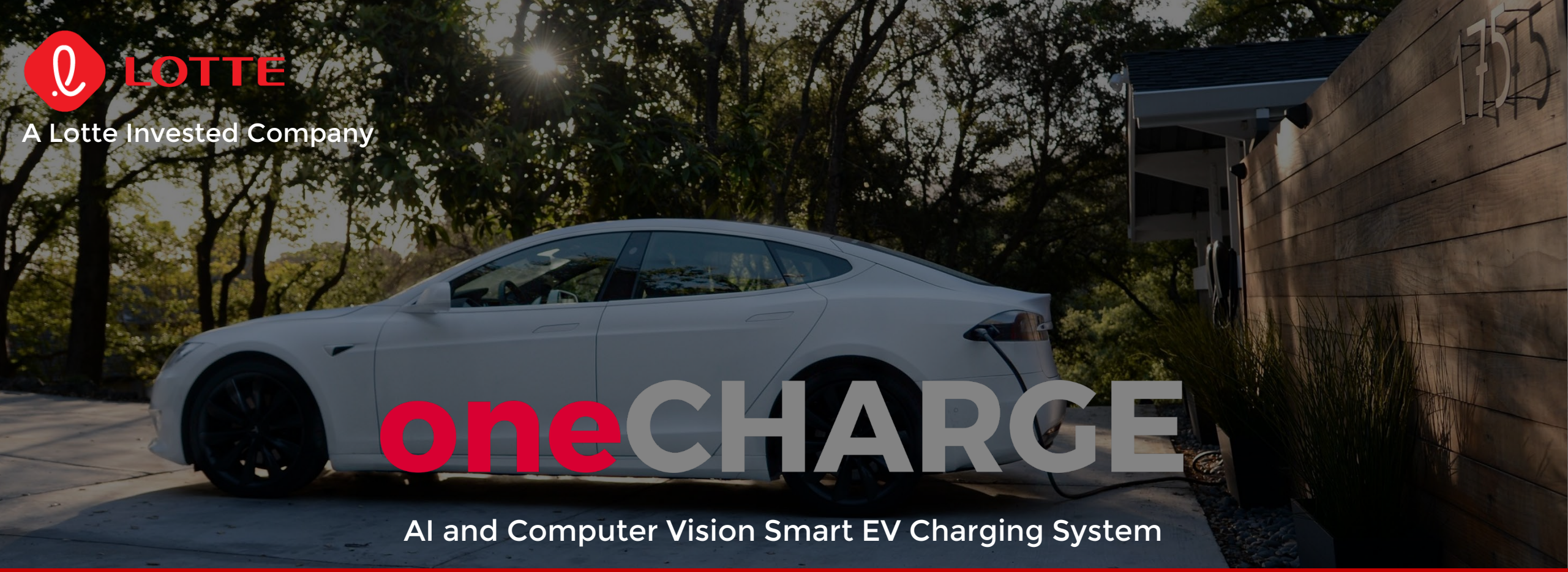


LOTTE

A Lotte Invested Company

oneCHARGE

AI and Computer Vision Smart EV Charging System

Hassle-free EV Charging Solutions

Classified Document.
© 2019 oneCHARGE Solutions Limited. All rights reserved.

LOTTE Accelerator

數碼港 Cyberport

HKSTP

K-STARTUP GRAND CHALLENGE 2018

STARS PROGRAMME

Microsoft

The British Chamber of Commerce in Hong Kong 香港英商會

ABOUT oneCHARGE

Established 2017

From Hong Kong and now in Korea

Expanding rapidly in Asia

Hong Kong, Macau and Korea and some Asia location

Strong reference

Invested and co-operating with Lotte Group

World's first Computer Vision + AI

Huge analytics data + customer engaging solutions

Bridge between properties & client

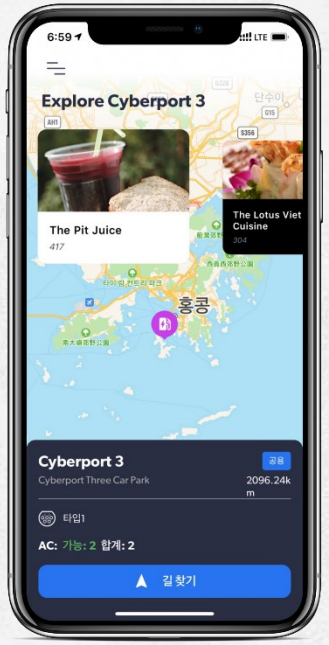
Transform the demand of EV charging into revenue & important analytics data

oneCHARGE

WHAT WE DO

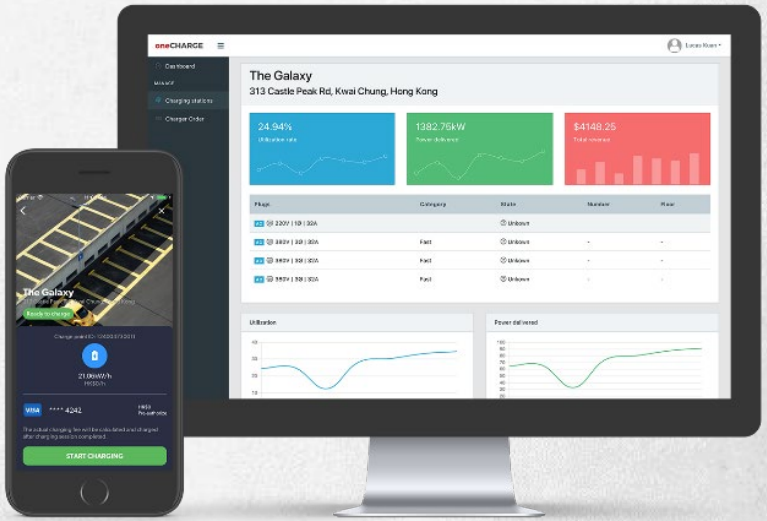
EV Charging Systems

+



Application with payment

+



Open management solution with analytics

oneCHARGE

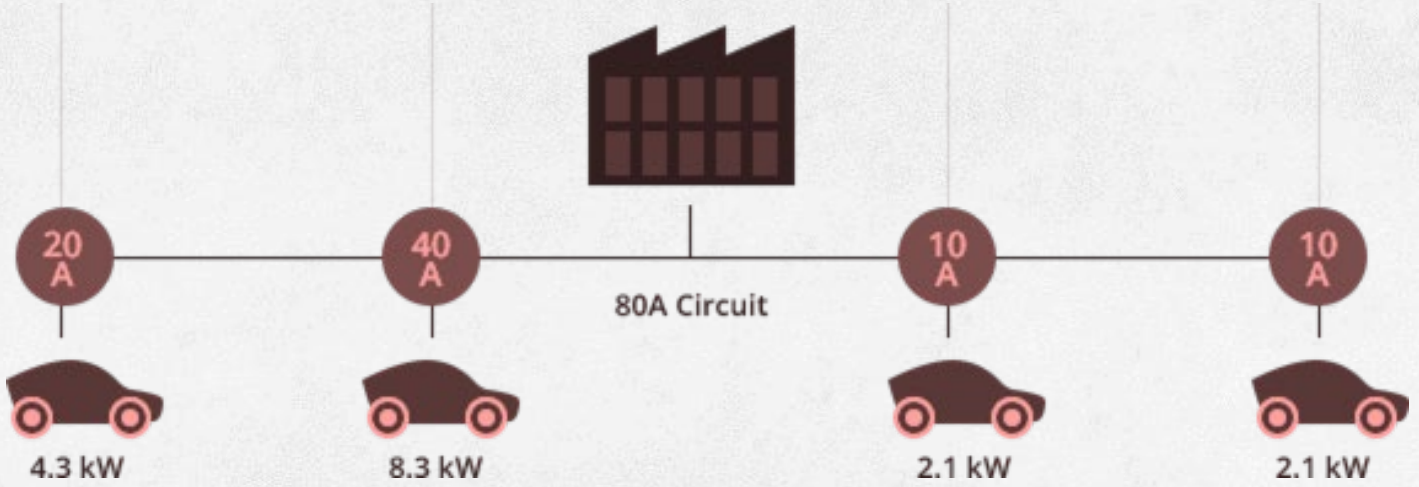
INNOVATION

Auto.

Charging Experience Automation - **PATENTED**

Computer Vision & AI Based Customer Analytics System

Load-balancing Technology



Load balancing maximizes number of EV chargers intelligently.

oneCHARGE

Successful Case

Significantly reduce the wait time

Expansion in progress

Satisfy charging demand

Huge amount of analytics

Providing tones of information for management and customers marketing

No-longer endless promotion

Payment system and management system ready for real-operation

oneCHARGE

Residential Installation

No more waiting or queue

Sharing to other users

Income in vacant time

Trackable usage record

Everything is trackable

Perfect scenario of EV driving

oneCHARGE

Case Study

oneCHARGE

After meetings with Lotte Management, they are facing

Long waiting and Charging time

Expensive to deploy

Can only serve 1 car per charger

Very Complicated Operation

PROBLEMS

Lack of chargers

Takes up huge amount of power

Requires infrastructure upgrade

oneCHARGE

HOW oneCHARGE HELPS LOTTE CORPORATION COMPANIES

oneCHARGE

Analytics

Charging Service

Management

Marketing

Promotion

Retail

LOTTE DEPARTMENT STORE

LOTTE Mart

LOTTE WORLD MALL

Membership

Loving your Life L.POINT

Car Rental

Green Car

LOTTE rent-a-car

oneCHARGE

HOW oneCHARGE HELPS LOTTE CORPORATION COMPANIES

Retail

LOTTE DEPARTMENT STORE

LOTTE Mart

LOTTE WORLD MALL

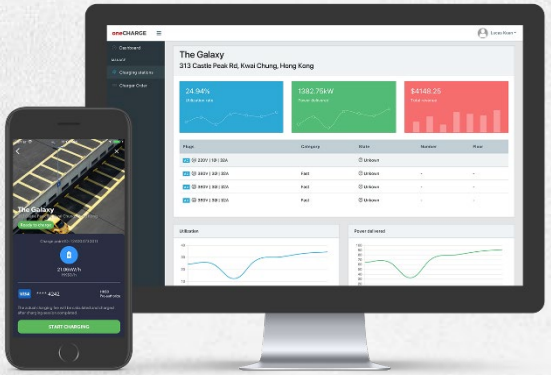
- Mall directory
- Promotions
- Coupons
- Redemption
- Settlement

oneCHARGE

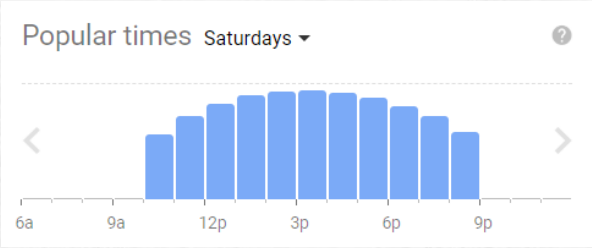
APPLICATIONS FOR SMART DATA SERVICE

- Big Data
- Computer Vision

Cloud Management & **chargeOS**



- Analytics Service & Remote Management
- Customer Service Front-end



- AI Prediction & Location Service

- NB-IOT / 4G
- Real-time Status & Management
- Real-time Video Transmission

- Parking Space Status

- Plate Recognition
- Identity Recognition
- Big-Data Collection

oneCHARGE

RESULTS

With EV chargers installed in a mall

+ 40%
Traffic Flow
from EVs

2.5 +
Hours Stay
with EV charger

85%
Upper Class
EV Owners

Choosing **oneCHARGE** charger

75%
Cost reduction
with oneCHARGE charger

Up to 3
EVs
to charge in 1 charger

Up to 3x
Faster
Super charging

oneCHARGE

WIN : WIN STRATEGY

Car Manufacturers

Carpark Management

Shopping Malls

- Provide customers analytics
- **NEW** customers by charging needs
- Compatible with all EVs
- AIO Charging Management
- New marketing channel
- Labourless management

EV Owners

- Easily find charging locations
- Fully automated charging experience
- Simple payment method
- Simple and clear UI/UX

oneCHARGE

CHARGING HARDWARE – AC

Global Standard Ready

IEC/ GB/ SAE modular design

Multiple Charging Speed

3-42kW charging **AC**

Safety Design

More than 10 safety features

Innovative Design

Computer Vision + chargeOS embedded

Perfect for Retail

Low deploy cost + suitable charging time

Compact Size

Low deploy cost + suitable charging time

oneCHARGE

CHARGING HARDWARE – GEN 2

Multi-standard charger in 1 Unit

IEC/Chademo/CCS-1 or 2

Super-fast Charging

50 to 200kWH **(AC+DC / DC+DC)**

Safety Design

IEC/ CE in AUG 2019
More than 10 safety features

Innovative Design

Computer Vision + chargeOS embedded
Load Balancing + Adjustment among 3 EVs

Up to 75% Deployment Cost Saving!

Charge up to 3 EVs in **ONE** unit!

oneCHARGE

APPLICATIONS IN A SMART RETAIL

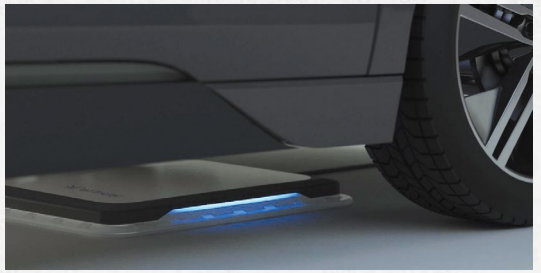
- Obtain New Customers
- New Marketing Channel
- Charging / Parking Redemption & Settlement
- AIO Carpark Management
- Integration with existing mobile Apps

oneCHARGE

MASTER PLAN FOR YOU AND ME

Vehicle Affordability

Marketing Size/ Timing



Generation 3

- Wireless Fast Charging
- Full product line for all Evs
- More affordable EV Charger
- Also Provide Zero Emission Power

Current

Generation 2

- Wired DC SUPER Charging
- AI/ Big Data EV Charger
- Full Automation Charging
- More affordable EV Charger

Generation 1

- Wired Fast Charging
- 4-in-1 Platform
- Automation Phase 1
- Load Balancing Technology

oneCHARGE

oneCHARGE

2 Awards

smart city | Summit cum Awards 18 by etnet

Outstanding Smart EV Charging System

IOTHK 香港物聯網

Excellence Award
2018 IOT China, Hong Kong Roadshow

100+ Media Coverages

disruptive.asia
ePrice www.eprice.com.hk
華富財經 Quamnet
經濟通 etnet
unwire.pro
MC
ET 香港經濟日報 HONG KONG ECONOMIC TIMES
W winandmac.com Stay different
metro 都市日報
蘋果日報
IT Chosun
KNN NEWS
MBC
telecomasia
澳門廣播電視股份有限公司 TDM - TELEDIFUSÃO DE MACAU, S. A.
市民日報
明報
頭條日報 HEADLINE DAILY
信報
now TV
澳門日報
telecompaper

oneCHARGE

Thank you!

findus@onechar.ge

Kakao Talk

Choosing **oneCHARGE** charger, it benefits you

75%
Cost reduction
with oneCHARGE charger

Up to 3
EVs
to charge in 1 charger

Up to 3x
Faster
Super charging

Disclaimer

The information contained in this file is strictly confidential, privileged and only for the information of the intended recipient and may not be used, published or redistributed without the prior written consent of oneCHARGE Solutions Limited.

This file is protected by Hong Kong and international copyrights law. Reproduction and distribution of this file in any means without written permission from oneCHARGE Solutions Limited is strictly prohibited.

© 2019 oneCHARGE Solutions Limited.