



# oneCHARGE

AI and Computer Vision Smart EV Charging System

**Charging matters**



**Cyrus CHOW**  
CEO, Global Market  
Co-Founder

- BBA – The Open University of Hong Kong
- **7 Years experience in Business Management** in Asia Market
- Former chairman of EV association in Hong Kong – Electrify
- Co-operation with ITRI for EV projects

EV Charge Point 2  
電動車充電站 2

21kW Max.



## Established 2017

From Hong Kong and now in Korea

## Expanding rapidly in Asia

Hong Kong, Macau and Korea and some Asia location

## Strong reference

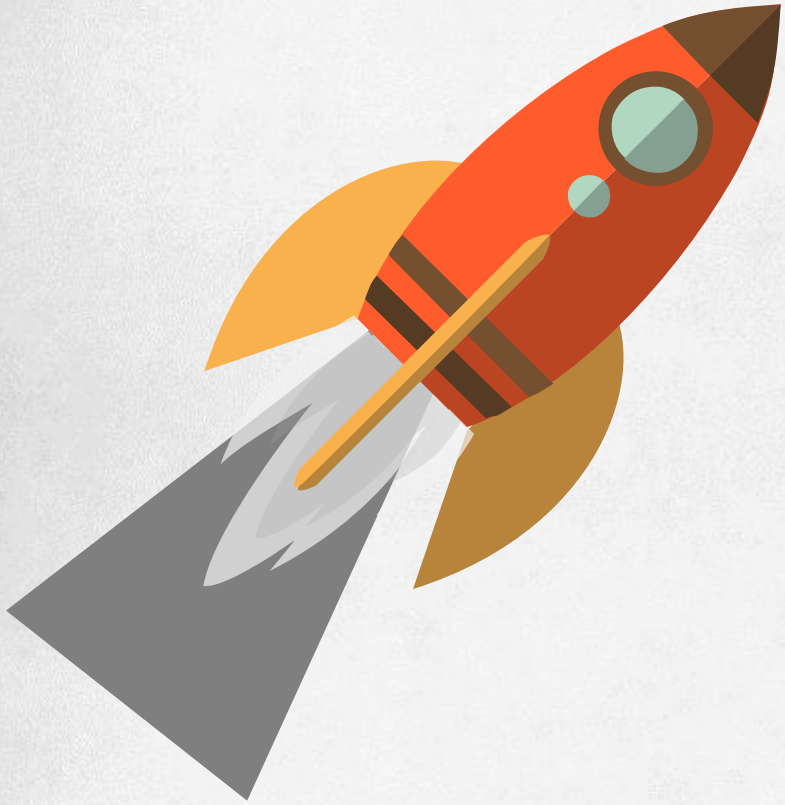
Invested by Lotte Group and AsiaPay Capital

## 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



## VISION

- Transform and revolutionize the EV charging practices
- Charging your car like charging your phone at home



# Problems of EV Charging nowadays



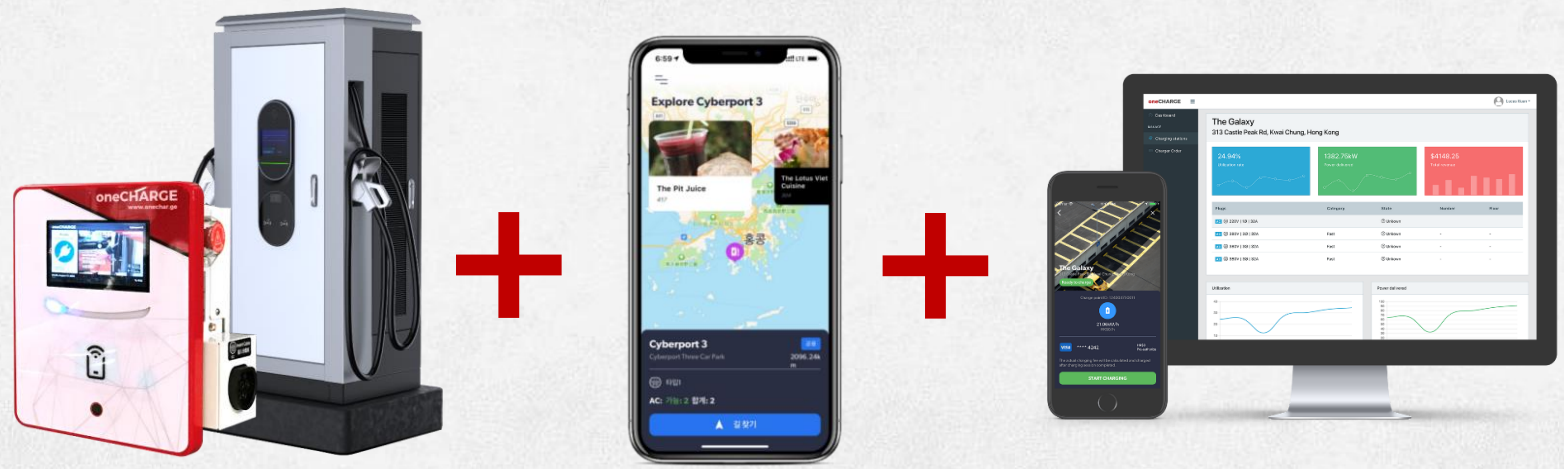
Increasing demand of EV Charging



Lack of chargers & not in every carpark



- Long waiting and charging time
- **Makes EV impossible to drive**
- Slows down popularization of EV



AI EV Charging Systems with Computer Vision

Application with payment

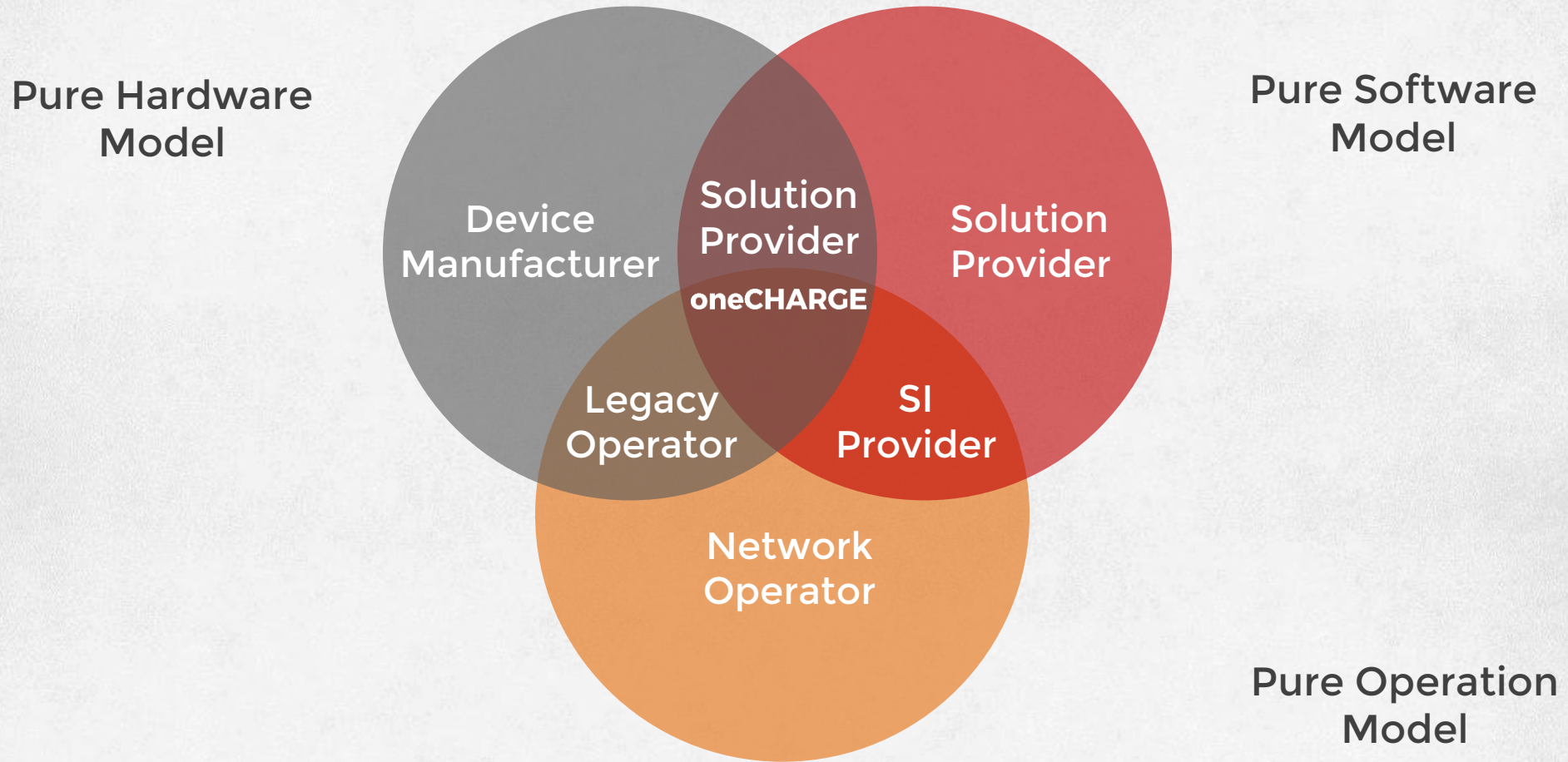
Open management solution with analytics

Hardware

Software



Convert any parking space into EV charging station



**oneCHARGE** helps shopping malls and public car parks to transform the demand of EV charging into revenue and important analytics data.

# Decentralized Energy Distribution Technology



## No extra equipment required

- Charger P2P inter-communication
- Low setup cost with IPFS technology

## Dynamic load-balancing

- Real-time current adjustment based on current load

## Servicing at highest efficiency

- oneCHARGE AI analyze car SoC, user habit, car model and type, adjusting best charge speed for the user

## Serving more by less

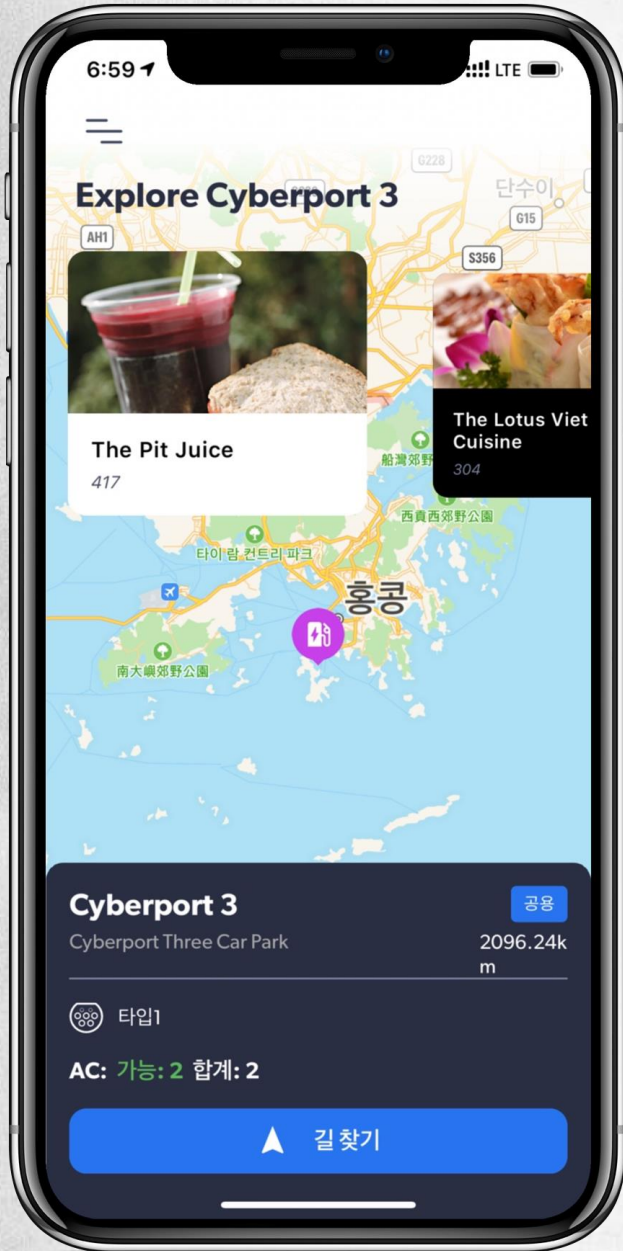
- Serving more customers by less infrastructure upgrade





## Manage your station at ease

- Smart data feed and features
- Remote configuration
- Remote service recovery
- Real-time station statistics and information
- Energy usage and management

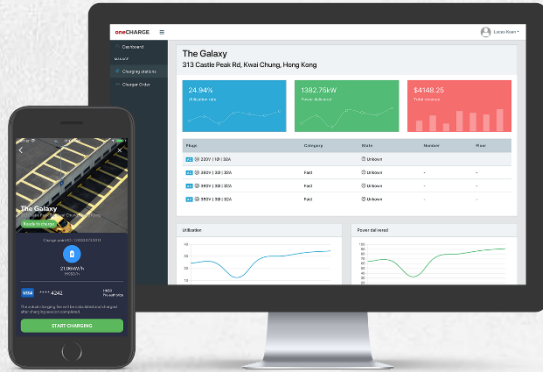


- Obtain New Customers
- New Marketing Channel
- Charging / Parking Redemption & Settlement
- AIO Carpark Management
- Integration with existing mobile Apps

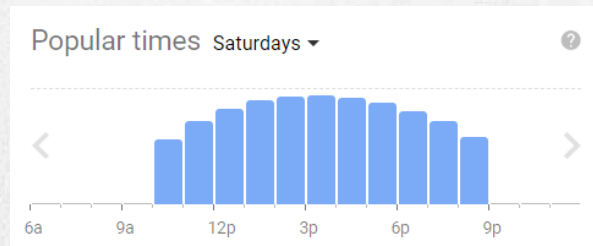
# APPLICATIONS FOR SMART DATA SERVICE



Cloud Management & chargeOS



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



- AI Prediction & Location Service

- Big Data
- Computer Vision



- Wi-fi / Ethernet / NB-IOT / 4G / 5G
- Real-time Status & Management
- Real-time Video Transmission



- Parking Space Status



- Plate Recognition
- Identity Recognition
- Big-Data Collection



## Reference Case

IFC Mall Seoul Greencar pickup site.

## Charging dock for EV rental

Satisfy charging demand.

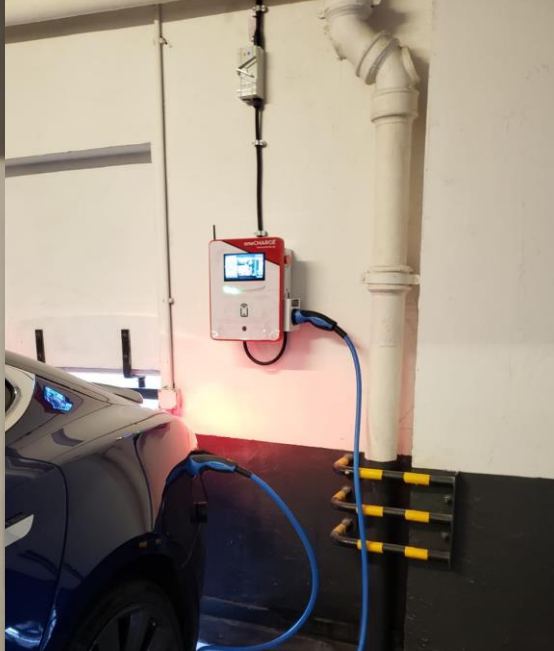
## Solve app rental pain point

Provide remote management console and data analytics for management since the collection point is labour-free.

## Customer Satisfaction

Customer satisfy with stability and quality.

**oneCHARGE**



## Reference case

Luk Kwok Centre, Hong Kong

## Public charging zone

Solving the charging needs in the property

## Proven concept

Proven our concept has been accepted

## Non-free stations

Charging fee applies at this location

# EV Charging Station 電動車充電站

7kW Max.

## Terms and conditions 條款及細則

1. This parking space is prior for electric vehicle charging.
2. Parking Requirement of this Carport shall also be applied for this parking space.
3. The maximum power provided for the charging service is 32 Amp 1 Phase Socket.
4. The EV Charger should not be occupied more than 12 hours, so as to ensure the facility could be used efficiently. ADDITIONAL FEE shall be charged if the sojourn time over 24 hours. For those vehicles parked at this space NOT for charging or overtime occupying, Shun Tak Centre Management Office may request the user to park their cars in other available bays.
5. The minimum billing time for the charger is 1 hour. Charging for part of an hour will be charged as an hour, until verification is made via oneCHARGE APP to end charging. Users have to pay the charge directly via the mobile app.
6. To be considerate, please release this parking space once the charging is completed.
7. The charging service is only provided to those electric vehicles in Hong Kong which are properly licensed and certified by the HKSAR Government or its relevant agents.
8. Users should ensure that the operation of the charging station facilities comply fully with the EV Charging Station User Guide.
9. Users shall indemnify and hold harmless Shun Tak Centre Management Office from and against all claims and liabilities for damage to property or for injury or death of any person arising out of incorrect or unreasonable use of the EV charging station.
10. Shun Tak Centre Management Office shall under no circumstances be responsible or liable for any incidental or consequential damages whatsoever, including without limitation personal injury, death, loss of profits, damages, loss of confidential or other information, business information, failure to meet any duty, arising out of or in any way related to use of the EV charging station.
11. Users shall ensure the condition of his/her vehicle at that time is appropriate for using these devices.
12. Shun Tak Centre Management Office has the right to revise this EV Charging Station User Guide and the associated terms and conditions from time to time without prior notice.
13. For any assistance, please contact Shun Tak Centre Management Office staff at 2367 8942.

1. 此停車位專供作電動汽車充電之用。
2. 本停車場之泊車位亦同時適用於此停車位。
3. 本車庫提供之電力為230伏特單相電力。
4. 為保障其他車位使用者之權益，本車庫提供之電力，每小時收費12小時，如泊車時間超過24小時，則將額外收費。對於那些並非用於充電或長時間佔用此停車位之車輛，管理處可能會要求車主將車輛停泊於其他可用車位。
5. 充電器之最低計費時間為1小時。若只使用部分小時，亦將按1小時計費。用戶須透過oneCHARGE APP直接支付充電費。
6. 為表考慮，請於充電完成後，儘快釋放此停車位。
7. 本車庫之充電服務只為香港政府或其相關代理人所認可及發牌之電動汽車提供。
8. 用戶應確保其車輛之操作符合香港政府之相關規定。
9. 用戶應確保其車輛之操作符合香港政府之相關規定。
10. 管理處有權隨時修訂此EV充電站用戶指南及相關條款及細則，恕不另行通知。
11. 用戶應確保其車輛在當時之狀況適合使用此設備。
12. 管理處有權隨時修訂此EV充電站用戶指南及相關條款及細則，恕不另行通知。
13. 如有任何協助，請聯絡管理處員工，電話：2367 8942。

Distributor 代理商 **SPACE** Space Development Co. Ltd. 空間拓展有限公司  
T. 9293 2550 info@creative-space.com.hk

## CCTV in operation 閉路電視監察中

Video recording is in operation for security and incident investigation purposes.  
The recording is not intended to reveal private and activities for the last purposes.  
本車庫已設有攝錄機作保安及事故調查之用。  
攝錄機之錄影，並非用於顯示私人活動及活動之目的。

## Vacate stall when charge complete 充電完成後請駛離充電站

vide fee applies after charge complete.  
充電完成後請駛離充電站。

## User guide 用戶指南

Download user APP by scanning the QR Code.  
掃描QR碼下載手機應用程式。



We accept 付款方式  
VISA  
MasterCard  
G Pay  
Apple Pay

1. Park your Electric Vehicle (EV) at the designated parking on T15 or T16.
2. Connect the dedicated EV charging cord to the charging port at your EV and the parking bay (charging socket).
3. To terminate the charging process or when charging is completed, disconnect the EV charging cord from the parking bay charging socket and the EV charging port.

1. 將電動汽車停泊於指定泊位 T15 或 T16。
2. 將專用EV充電線連接至您的EV充電口及泊位充電插口。
3. 如需停止充電或充電完成，請將EV充電線從泊位充電插口及您的EV充電口拔除。

信德集團

SHUN TAK HOLDINGS

## Reference case

Shun Tak Centre, Hong Kong

## Public charging zone

Solving the charging needs in the property

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## CLIENTS & TRACTION



**Chong Chi**  
EV Charging Solutions



Kin Tat Group

**Sole solutions provider of Sime Darby**

Management system, front-end & back-end

**New location launched in Hong Kong**

More locations will be covered in 2022

**Sole distributor confirmed in HK**

600 chargers confirmed in HK for coming 3 years

**60% utilization rate on paid locations**

15% boost of utilization compare with 2020

# Awards

**one**CHARGE



**GOLD AWARD**  
Electronic Industries  
Awards 2019  
Startups



**SILVER AWARD**  
Hong Kong ICT Awards 2020



**1st Runner Up**  
Hong Kong Value Creation  
for Technology Pitching Competition



**Startup Award - IOT**  
Origin Innovation Awards 2020



**Environmental Performance**  
2019 Business Awards of Macau



**Excellence Award**  
2018 IOT China, Hong Kong  
Roadshow



**Outstanding**  
Smart EV Charging System

**100+**

**Media Coverages**



**Creative Award**  
2019 Busan Startup Week



# Thank you!

[findus@onechar.ge](mailto:findus@onechar.ge)

Kakao Talk



**one**CHARGE is looking for

- local partners
- fund raising
- market expansion opportunities