



ZERO COSTS PARTNERSHIP PROGRAMME – TERESA VILLE CONDOMINIUM

EV CHARGING STATION PROPOSAL

DATE: 22th OCT 2024

WHO WE ARE?

WE ARE AN **EV CHARGING PLATFORM**.

OUR EV ECOSYSTEM

DRIVERS



EV Drivers
/Users

WATT PLATFORM



Mobile
Application



Backend
Partner's Portal



Operations
/ Installations

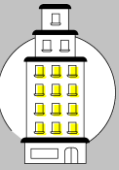
PROPERTY OWNERS



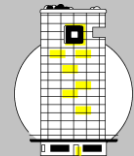
Charge Points



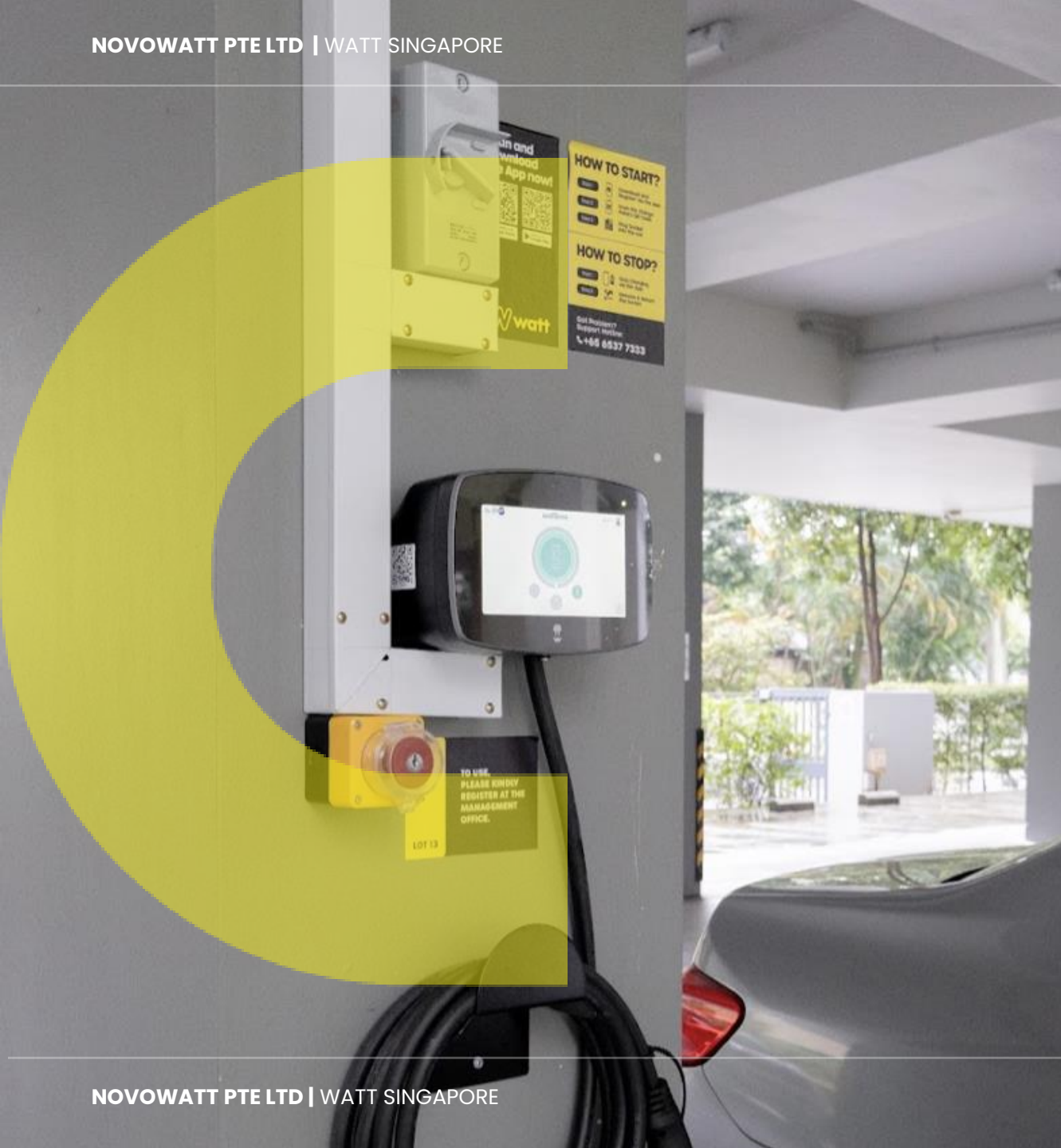
Industrial



Residential
(Condo)



Commercial



OUR VISION

Our vision is to be the leading EV charging platform, making electric mobility accessible, reliable, and sustainable worldwide.

OUR MISSION

With a goal to provide the best charging experience to all future EV drivers. We believe in solving the pain points of a daily driver and enhancing the benefits of EV adoption.

FOR DRIVERS

PERSONALISED CHARGING EXPERIENCE

Our driver-focused mobile app offers cutting-edge technology, customizable profiles, seamless payments, and real-time insights for efficient charging. Enjoy a user-friendly interface, smart scheduling, and reliable customer support. Take control of your EV charging, eliminate charge anxiety, and experience the convenience of electric vehicle ownership.

FEATURES & FUNCTIONS

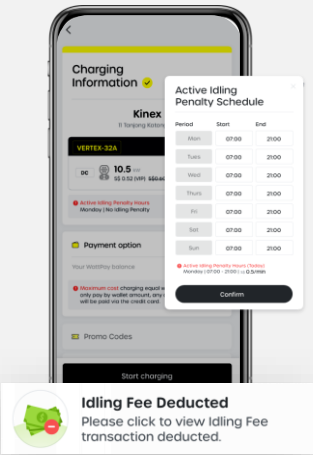


START & STOP CHARGING

Users can use the mobile app to initiate start and stop just by scanning the QR code or via the location pin.

BENEFITS

- ✓ Remote Start/Stop Function

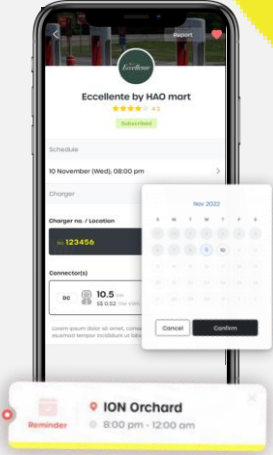


LOT HOGGING PENALTY SYSTEM

Minimises the lot hogging occurrence by imposing penalty fees for overstayers

BENEFITS

- ✓ Deter users from overstaying.
- ✓ Ensure rotation usage of the charging lot.

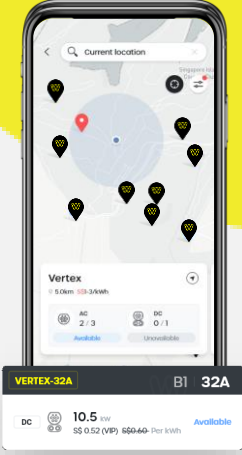


RESERVATION SYSTEM

Allow your users to reserve charging sessions right at their fingertips.

BENEFITS

- ✓ Resolves charge anxiety.
- ✓ 7 days in advance reservations.

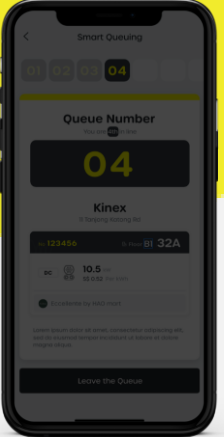


PUBLIC VISITOR ACCESS

Flexibility to determine whether they allow visitors or public users to access the charging stations

BENEFITS

- ✓ Higher charging tariff for visitor
- ✓ Increase revenue
- ✓ Prioritize load for residents



QUEUING SYSTEM

When the charging lots are fully occupied, drivers can opt to join the queue.

BENEFITS

- ✓ Systematically arrange the charging sessions in sequence based on the queuing system

COMING SOON

FOR PROPERTY OWNERS

PARTNER'S BACKEND PORTAL

Empower your electric journey with our personalized charging experience.

Tailored schedules, customizable profiles, seamless payments, and real-time insights – all designed to make EV charging effortless and uniquely yours. Join us and drive towards a greener, personalized future.

FEATURES & FUNCTIONS

Price Adjustments

View and Edit your Charge Point's Pricing

Public Pricing

Applies to unregistered users

Current

\$0.30

per kWh inclusive of taxes

New

\$0.00

per kWh inclusive of taxes

Restricted Pricing

Applies to restricted users

Current

\$0.30

per kWh inclusive of taxes

New

\$0.00

per kWh inclusive of taxes

PRIORITY PRICING AND USERS

CPO can now set and create priority access for their residents with preferential pricing.

BENEFITS

- ✓ Create user groups and differentiate pricing strategy
- ✓ Prioritise charging to key user groups

Reservation+

Edit your reservation function

Reservation Function

Toggle to activate or deactivate function

Same-day Reservation

Control users ability to reserve lots on the same-day

Grace Period

Time allowance for late-comers

Cancellation Grace Period

Allow users to cancel bookings w/o penalty

Reservation Period

Time period for each reservation

15 mins

30 mins

60 mins

90 mins

120 mins

150 mins

180 mins

210 mins

240 mins

300 mins

330 mins

360 mins

390 mins

RESERVATION SETTINGS

Set your own rules and regulations to prevent common EV habits – Lot hoggings and reservations.

BENEFITS

- ✓ Customize grace period to your property requirement
- ✓ Flexibility in the period of charging session

Idling Penalty

Edit your idling penalty function

Idling Penalty Function

Toggle to activate or deactivate function

Grace Period

Time allowance for late-comers

Idling Penalty Fee

Fee payable for overstaying in lot after fully charged

15 mins

30 mins

Current

\$0.50

per Min

New

\$0.00

per Min

Customise your idling penalty period

Set the timing you wish to impose idling penalty

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

IDLING PENALTY SETTINGS

Set your own rules and regulations to prevent common EV habits – Lot hoggings and reservations.

BENEFITS

- ✓ Customize grace period to your property requirement
- ✓ Flexibility in the penalty fee to discourage users from hogging

FOR PROPERTY OWNERS

BACKEND FEATURES



Transactions

Track all charging transactions and history via the partner portal. Stay informed and in control.



Charging Sessions

Monitor user charging sessions to optimize planning for upcoming installations effectively.



Real Time Status Tracking

The CPO can access the charge point's status to ensure optimal uptime and performance.



Idling Penalty

Tailor penalties fees to deter lot hogging and encourage users to vacate charging spots promptly.



Reservations

Set reservation and grace periods for maximum efficiency, catering to your property's needs.



Restricted Users

Add or remove users' access to charge points for seamless administration and control.



Request for Payouts

CPO can request payouts that have been collated from users of the property.



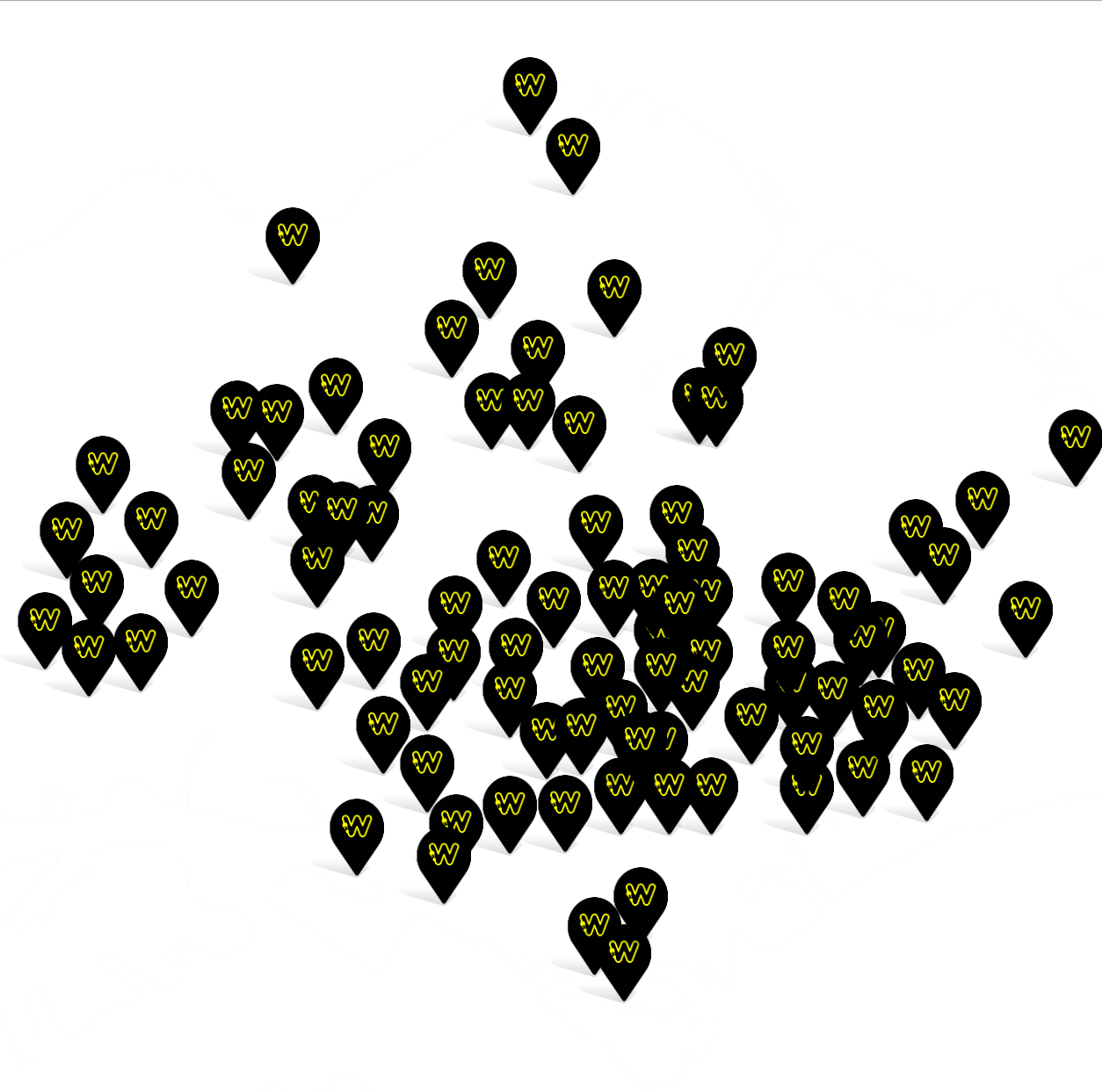
Performance Reports

Analyzing individual charge point performance aids in planning efficient future installations.



User Behaviour Reports

User behavior analysis helps make the best decision when planning for future charge point types (AC/DC).



OUR PARTNERS – RESIDENTIAL

THE PREFERRED CHARGING
PARTNER FOR PREMIUM CONDO
AND APARTMENTS IN SINGAPORE

AS OF
20 AUG 2024

150
Condos

500+
Chargers

West Zone

Glendale Park
Foresque Residence
The Petals
Natura @ Hillview
Lake Life
Faber Crest
Faber Hills Apartment
INZ Residence
The Tessarina
Ferelle Residence
Springdale Condo
Northvale Condo
Principal Garden
Hillington Green
Le Quest
Twin Vew
Alessandrea Condo
J Gateway condo
Windermere Condo
Echelon

South Zone

Horizon Residences
The Village
Lumos
Murano
Residences@Killiney
Jervois Jade
The Draycott
Boulevard Vue
Marina Bay Residence
Ascentia Sky
Beacon Heights
The Claymore

East Zone

Bishan Loft
Bayou Residence
Central Grove
The Sunny Spring
Questa @ Dunman
Arthur 118
One Fort
Riveredge
The Espira
The Gale
Ferraria Park
Riverparc Residence
Austville Residence
Ever Green Park
The Clearwater
Woodsville Mansion
Cocopalms
Euhabitat
Livia Condominium
Amber Residence
Waterfront Isles
Euhabitat
Tembusu
Waterfront Gold
Vertis
Eastvale Condo
Bartley Ridge
Parc Esta
Rivercove Residences

Katong Gardens
Tanamera Crest
La Mariposa
E Maison
La Fiesta
OLA Condominium
Cherryhill Condo
The Terrace
Parkshore Condo
Meyer House
D'Nest Condo
The Vales
Stars of Kovan
De Centurion
Three 11
Dalvey Court
Aura 83
Regentville
Dahlia Park
Casa Al Mare
D'mira
Nathan Suites

Central Zone

Sixth Avenue Residence
The Tresor
The Trevoze
Tanglin Park
The Chatelet
The Legend
Goldhill Towers
The Hyde
Nouvel 18
Newton One
España
The Rochelle
The Cradels
One Tree Hill
The Centrio
Holland Court
Canberra Residences
Skypark@Somerset
The Trevista
La casa
Riverside 48
Rivervale Condominium
Regent Residence
Tiara Condominium
Thomson 800
Adana@Thomson
Le Shantier
The Arris
Leonie Towers
i-Residence

Twin Height
Kentish Green
Casa Fortuna
Cavengh House
The Edge at Cairnhill
Cairnhill Crest
Sophia Lodge
The Aboda at Devonshire
Urbana
Martin Modern
RV Residences
CityGate Residences
Mackenzie 88
Helios Residences
Adam Park
10 Evelyn
The Quinn
Lincoln Residence
De Royal Condominium
Pinnacle 16
Woodhaven Condo
Beacon Heights
The Aston
Volari@Balmoral
The Cornwall
iSuites@Palm
Sky Park Residence
Morningside Condo
Eden Crest
Oxley Edge
Faber Garden

OUR PARTNERS – COMMERCIAL

CASE STUDY REFERENCES

ESSEC
BUSINESS SCHOOL

SCOPE OF WORKS

AC Charge Points
WATT360 Subscriptions
Carpark Lot Painting
Electrical Works



偉源  WEE GUAN

SCOPE OF WORKS

AC Charge Points
WATT360 Subscriptions
Carpark Lot Painting
Electrical Works



Roset 
Limousine Services Pte Ltd

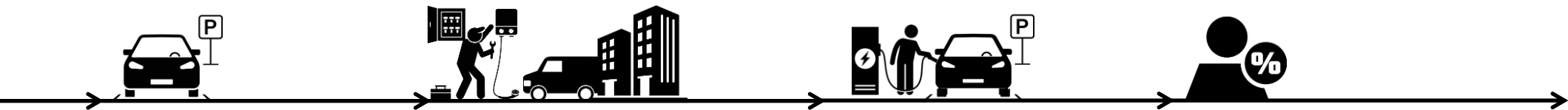
SCOPE OF WORKS

DC Charge Points
WATT360 Subscriptions
Carpark Lot Painting
Electrical Works



FOR CONDO MANAGEMENT

SEEDING PARTNERSHIP PROGRAMME (ZERO COSTS)



Decide on Parking Lot

Our site surveyor considers essential factors like location, reception, weather contingency, and distance from the switch room when recommending parking lots.

Watt Install Chargers

Our licensed electrical team will handle the charge point installation, ensuring strict compliance with government regulations for maximum safety.

Sell Electricity to your Drivers

Users can conveniently charge their vehicles using our charger and user-friendly application

20% Profit Sharing with you.

Rest assured, collected profits will be distributed as discussed, making the entire process worry-free for you.

DURING THE END OF TERM



Renewal /
Auto-Renewal*

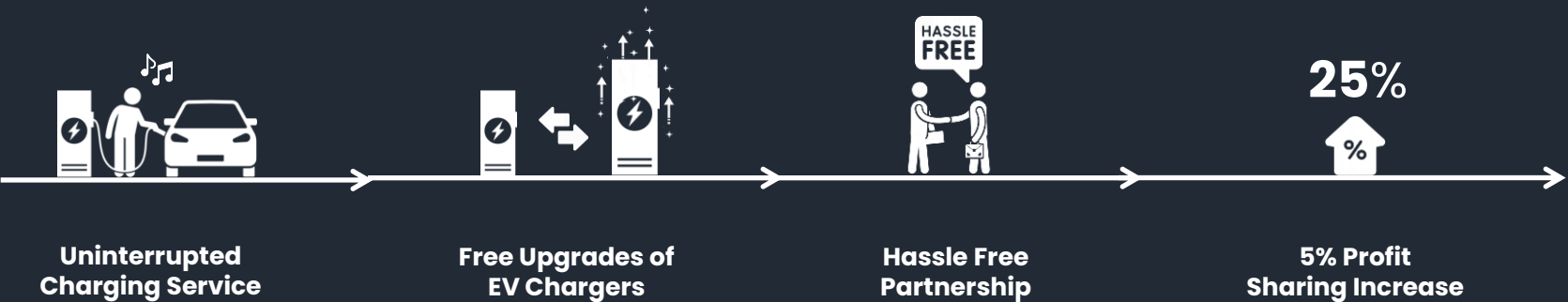


Transfer of
Ownership



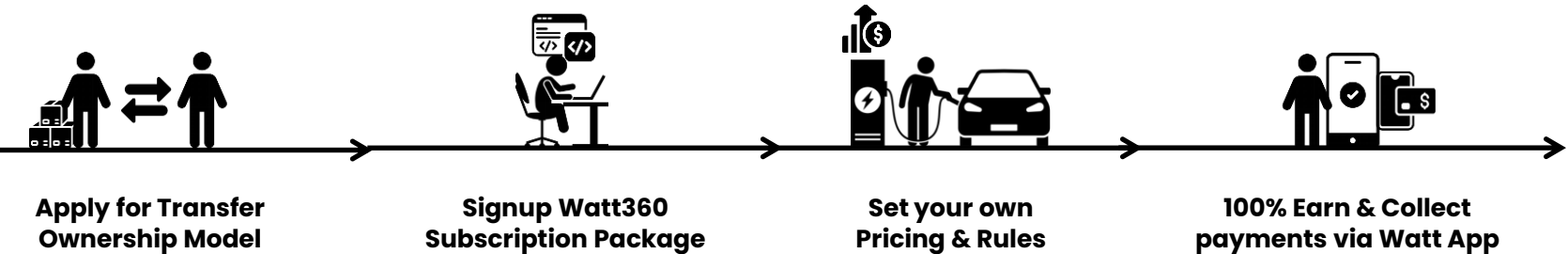
**RENEWAL /
AUTO RENEWAL**

CPO can choose to renew the contract, enjoying uninterrupted charging services, free EV charger upgrades, and an increased 5% profit share!



**TRANSFER OF
OWNERSHIP**

CPO also has the option to take full ownership of the charging facility while we continue to serve as their dedicated service provider.



FEATURED HARDWARE



TERRA AC WALLBOX

It wasn't built today. It was built 140 years ago.

Brought to you by the global experts in smart mobility, smart buildings and smart homes, the Terra AC wallbox is built on ABB's 130-year heritage of accessible technology leadership for safe, smart and sustainable electrification and informed by our comprehensive expertise in e-mobility.



MODEL & BRAND	ABB TERRA AC WALLBOX
SAFETY RATING	IPV5 & IK10
COUNTRY ORIGIN	ITALY
SPEED	7.4 / 22 kW
MAX CURRENT	32 A
CHARGE DURATION	7 Hrs / 4 Hrs
GRANT APPLICABLE	YES

OUR HARDWARE

HARDWARE
BRANDS

Our charge points are thoroughly approved, tested, and meticulously selected from the market, guaranteeing reliability and top-notch performance. You can rest assured that your electric vehicles will be charged efficiently and safely, meeting all your charging needs effortlessly.



AC

WALLBOX
COMMANDER 2



AC

SCHNEIDER
EVLINK



DC

STAR CHARGE
TITAN



DC

AUTEL
DC

MODEL & BRAND

SAFETY RATING

COUNTRY ORIGIN

SPEED

MAX CURRENT

CHARGE DURATION

GRANT APPLICABLE

IPV5 & IK10

SPAIN

7.4 / 22 kW

32 A

7 Hrs / 4 Hrs

YES

IPV5 & IK10

FRANCE

7.4 / 22 kW

32 A

7 Hrs / 4 Hrs

YES

IPV5 & IK10

CHINA

120 kW

250 A

2 Hrs

NO

IPV5 & IK10

CHINA

60/180kW

120 – 400 A

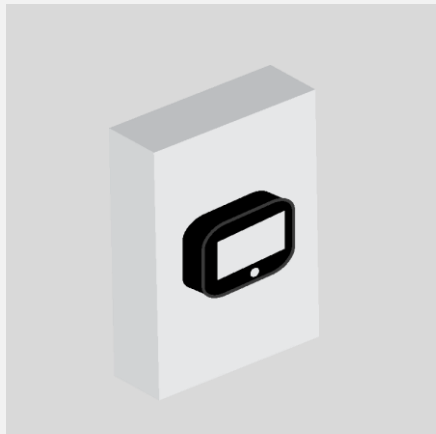
2 Hrs

NO

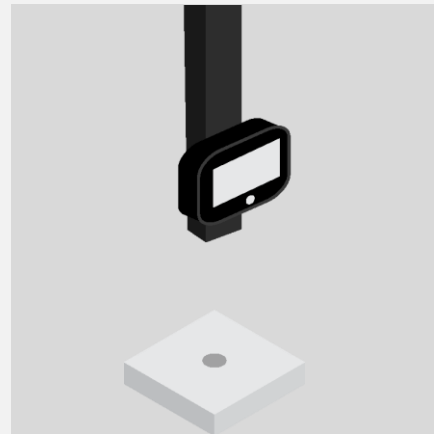
SETUP AND INSTALLATION

INSTALLATION

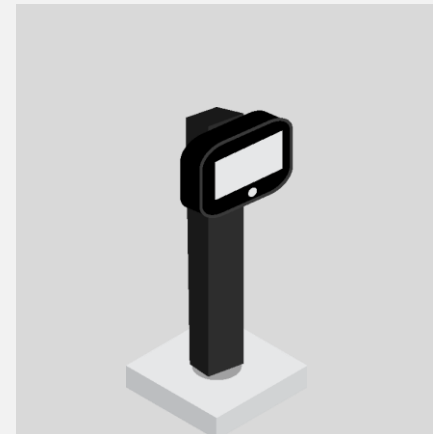
METHODS AND VARIATIONS



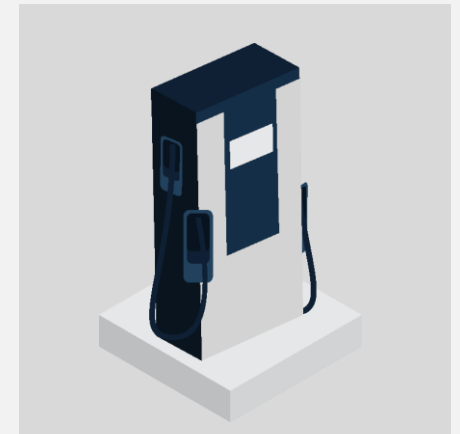
Wall / Pillar
Mounted



Pedestal (Roof)
Mounted



Pedestal (Floor)
Mounted



DC Charger (Floor)
Mounted

SETUP AND INSTALLATION

HARDWARE COMPONENTS

Our charge points are designed and installed in strict accordance with various government body regulations and industry standards, ensuring the highest level of safety and compliance.



Master E-Stop

Protocols following
SCDF/TR25 Guidelines



RCCB x 02

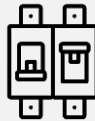
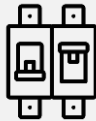
Private
Meter



MCB x 02



MID x 02



Switch Room
(Spare MCB)

Our experts inspect the switch room, calculating power requirements and cable distances needed to seamlessly connect chargers for optimal electric vehicle charging setups

Distribution
Box (DB)

We assess the distribution box to define and configure the charge point settings, ensuring efficient and safe charging for electric vehicles.

MID
Meter

Setup of the MID meter to guarantee precise power supply measurement for every charging session, ensuring accuracy and transparency in electric vehicle charging.

Isolator

Isolator

Installing isolators to physically disconnect circuits or electrical equipment from the power source. This safeguards against electrical shocks, enabling safe maintenance by eliminating the risk of live current flow.

Charger
22 kW / AC

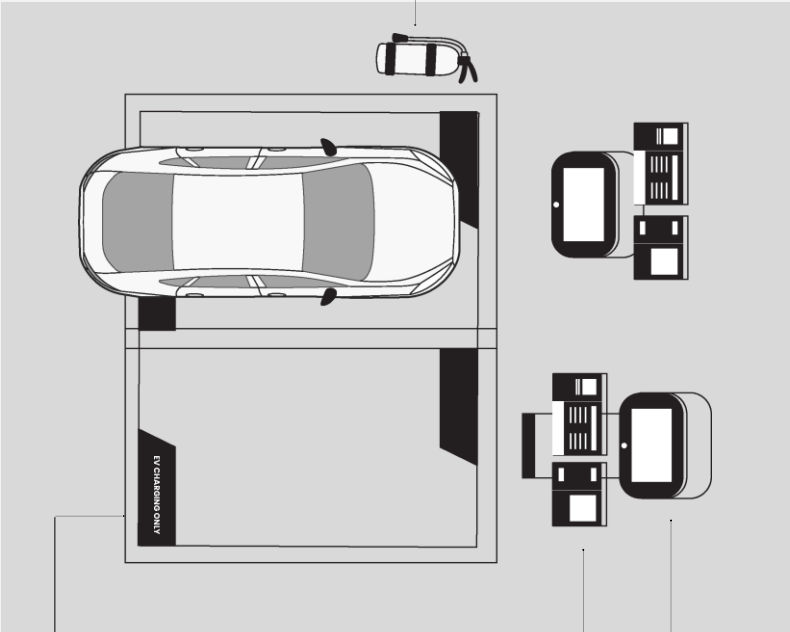
Charger
22 kW / AC

Installation of your charge points at the designated parking lots.

SETUP AND INSTALLATION

INSTALLATION OVERVIEW

Fire Extinguisher



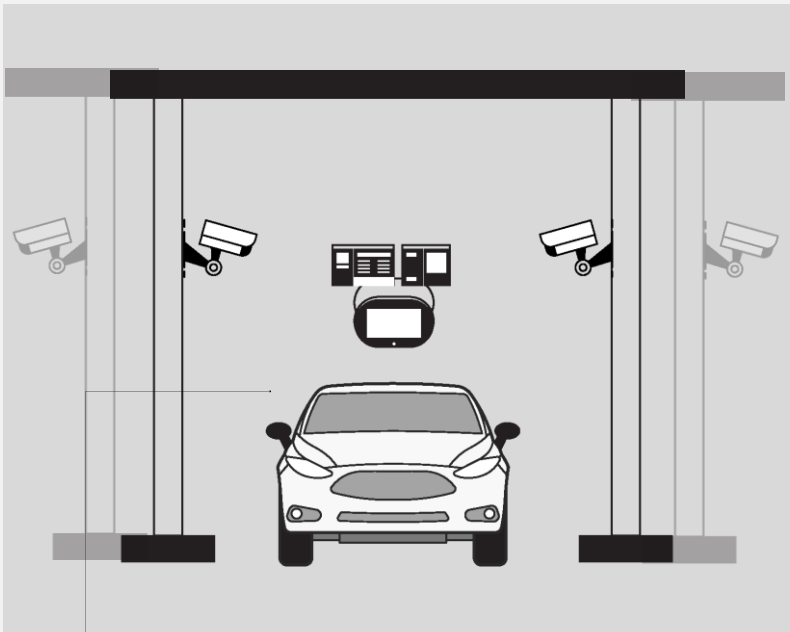
**Custom Painted
Parking Lots**

Our operations team will paint the designated EV lots so that drivers can easily identify which lots are for EV Charging.

**Instructions
Sticker Panel**



**Installed
Charger**



**IOT Sensors
(Phase 2 Coming Soon)**

Integrated Parking IOT sensors that allow the detection and photo taking of unauthorised and non-EV vehicles from parking in designated EV lots.



HARDWARE COMPONENTS

PROPOSED PARKING LOTS

Parking lots selected to be converted into EV Charging Lots. For change of proposed parking lot, please contact our Consultant.

PROPOSED CHARGER

3 X 22KW ABB
AC Charger 32 A

PROPOSED PARKING LOTS

Lot number: 109,110, AND 111

SPARE MCB

2X 50AMP
1X 60AMP

FOR CONDO MANAGEMENT

CHARGING RATE

Our meticulously crafted proposals prioritize user satisfaction, quality, and fairness. Our dedicated team is ready to provide comprehensive explanations of these plans during your selection process, ensuring you have a clear understanding of the benefits and features offered.

CURRENT MARKET RATE

\$0.62 / KWH
AS OF 18 JUL 2023

* Charging Rate =
Current Electricity Tariff + Fixed Rate

PLAN TYPE	CURRENT ELECTRICITY TARIFF	PROPOSED FIXED RATE	PROPOSED PROFIT SHARE
PLAN A	\$0.30 / KWH	\$0.23 / KWH	20%
PLAN B	\$0.30 / KWH	\$0.21 / KWH	15%
PLAN C	\$0.30 / KWH	\$0.18 / KWH	10%

KEY DIFFERENTIATOR

OUR SERVICES AND SUPPORT

01 DEDICATED ACCOUNT MANAGER

Our friendly account manager is committed to ensuring your estate's well-being. For any questions or concerns, they will be your go-to source, providing personalized assistance and support throughout the process.

02 24 HOUR MONITORING TEAM

Our dedicated team is focused on maintaining optimal charge point performance, ensuring a high-quality and uninterrupted charging experience for all users.

03 24 HOUR DEDICATED TECHNICAL RESPONSE SUPPORT

Safety is paramount. If needed, our technical team is available around the clock to swiftly respond and ensure secure charging conditions, underscoring our commitment to user safety.

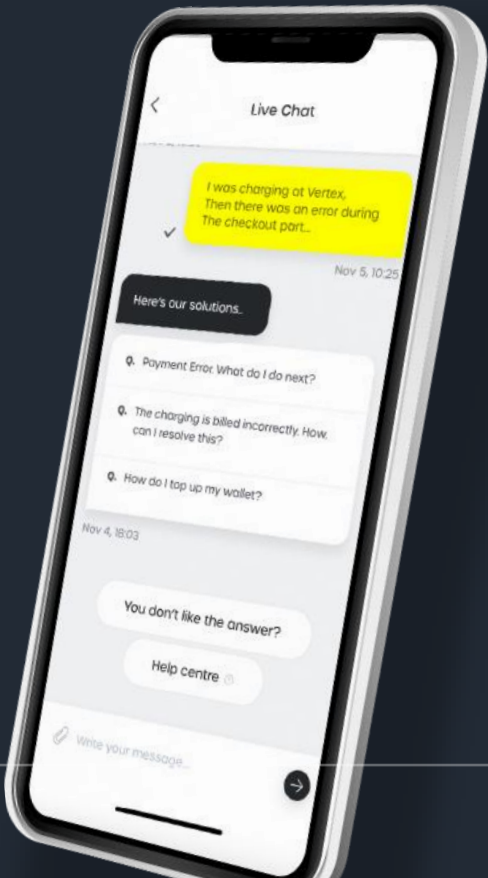
04
24 HOUR
HOTLINE SUPPORT

For any operational queries or concerns about using the charge points, simply give us a call. We're here to assist and provide clarifications, ensuring a seamless charging experience for you.



05
IN-APP
LIVE CHAT SUPPORT

Access standard FAQ solutions seamlessly through our in-app live chat support, providing quick and hassle-free assistance for your queries.



06
SAFETY AND
COMPLIANCE

Safety is of utmost importance in every aspect of our operations. As we propose a partnership for EV charging installations, we want to assure you that our commitment to adhering to safety and compliance guidelines is unwavering. We understand the significance of safety in protecting users, property, and the environment, and we align our practices with the highest industry standards.



SUMMARY

DETAILED
COMPARISON



	PURCHASE	PARTNER
RESOLUTION REQUIRED AGM resolution required by BSMA	50%	50%
LENGTH OF TERM Grant exclusivity in offering charging service in premises	Not Applicable	3 + 3* Years 5 + 5* Years
PROFIT DISTRIBUTION Earn additional revenue when you offer charging services to your users.	100%	1st Term – 20% 2nd Term – 25%
CHARGING RATES Price payable by drivers	Up to MCST	See page 18 *charging rate options
Electricity Cost	Covered by MCST	Reimburse 100% back to MCST

SUMMARY

COSTS
COMPARISON

	PURCHASE	PARTNER
HARDWARE COSTS Includes electrical cabling and LEW Fees.	\$8,733	\$0 (No Costs)
MANAGEMENT SOLUTION FEE WATT360 Management Solution	\$50 / Month	Deducted before Profit Sharing
PARTS REPLACEMENT COSTS Labour fee is included as a complimentary service of WATT360 maangement solution	Borne by MCST	Fully covered by Novowatt
FUTURE UPGRADES When you have more drivers and your need more charge points	Purchase More	8 EV : 1 Charge Point Policy
TAKE OVER COSTS	Not Applicable	Transfer ownership at zero cost * Terms and conditions apply
EARLY TERMINATION COSTS	Not Applicable	Straight- Line Depreciation Cost <small>If there is termination by the CityLife @Tampines Condo due to Novowatt Pte Ltd fault, Novowatt will reinstate the chargers at no additional costs to CityLife @Tampines Condo.</small>

FOR CONDO MANAGEMENT

INFRASTRUCTURE
COSTS BREAKDOWN



INFRASTRUCTURE COSTS BREAKDOWN

COMPONENTS	UNIT COSTS	QTY	TOTAL COSTS	ECCG SUBSIDIES
Charging hardware	SGD 3,500	3	SGD 10,500	SGD 5,250
Cabling and Electrical Installations	SGD 6,400	3	SGD 19,200	SGD 5,250
Licensed Electrician Fee	SGD 1,000	3	SGD 3,000	SGD 1,500
Connection Peripherals	SGD 400	1	SGD 400	Not Eligible
Lot Painting	SGD 450	3	SGD 1,350	Not Eligible
Pedestal Stand	SGD 1,100	3	SGD 3,300	Not Eligible
EV Charger Registration	SGD 150	3	SGD 450	Not Eligible
SUBTOTAL			SGD 38,200	SGD 12,000
TOTAL INFRASTRUCTURE COSTS			SGD 26,200	

Novowatt Partnership with Authorized Dealerships

Novowatt remains committed to collaborating closely with multiple authorized dealerships to secure exceptional deals for our users. Our current partnerships offer substantial discounts and years of charging credits for residents utilizing our charging facilities.

Current partners include **Premium Automobiles pte ltd, Sime Darby Motors, Hyundai Singapore, MG Singapore, Cycle and Carriage.**
E.g. BMW IX, BYD ATTO 3, Hyundai Ionic 5, Audi Etron GT, Kia motor, etc..



Energy Retailer Partners

Senoko Energy will be able to offer competitive fixed electrical tariff rates for a period of 3-6 years. This will greatly benefit condominiums and their residents by providing stability and predictability in energy costs over an extended period.

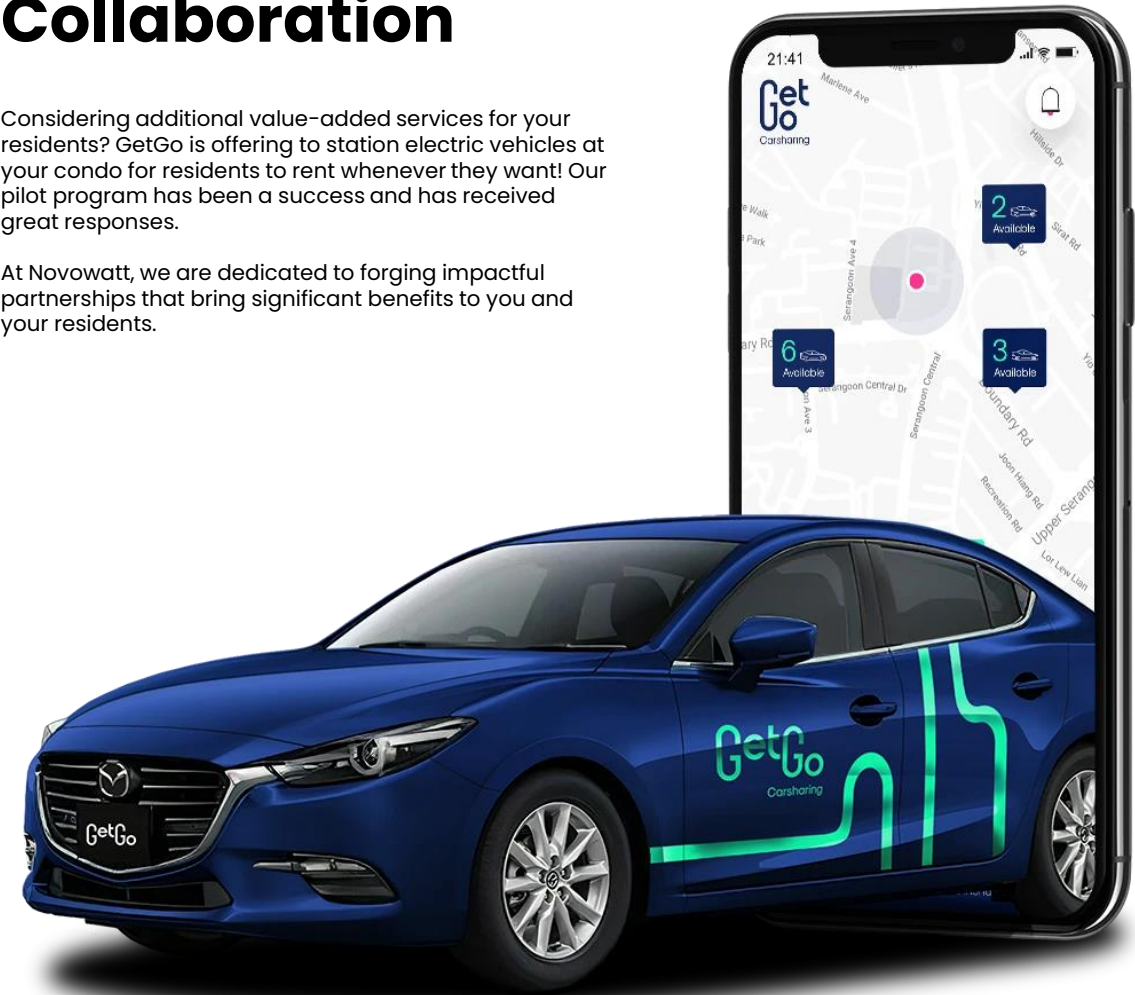
Exclusive for Novowatt Pte Ltd clients

Senoko
energy for life

GetGo Condominium Collaboration

Considering additional value-added services for your residents? GetGo is offering to station electric vehicles at your condo for residents to rent whenever they want! Our pilot program has been a success and has received great responses.

At Novowatt, we are dedicated to forging impactful partnerships that bring significant benefits to you and your residents.





If you have any questions or concerns, do not hesitate to contact:

Amos Tan: 9755 0769 or 68160698 (Angie)
Email: amos@watt.sg cc: contact@watt.sg

THANK YOU

DATE: 22th OCT 2024