

ENERGY ABSOLUTE PCL.

Green and Carbon Neutrality in ASEAN



Energy Absolute



Our Business

Electric Vehicle and Charging Station Platform

Biodiesel



Renewable Power



Energy Storage



(1) B100 & Glycerin

800,000 liters/day

(2) Bio-PCM & Green Diesel

130 tons/day

(2 Phases)

(3) Other related

(1) COD

- Solar 278 MW
- Wind 386 MW

(2) New projects

Amita Thailand

1 GWh (by 2021)

Commercial Vehicle

- MINE SPA1
- MINE Smart Ferry
- MINE Bus / MINE-Truck

Charging Station and

EA Anywhere application

**The world must not warm more than 2 degrees,
otherwise mankind cannot survive**



COP21 > Paris Agreement

COP26 > Global Summit on Climate Action

2030

- Finland

2045

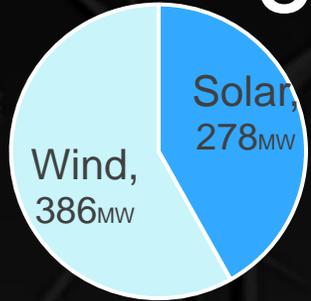
- Iceland
- Austria



2050

- England
- France
- US
- UK
- EU
- Japan
- South Korea

OUR Solid Performance of Renewable Power 664 MW



EA Solar Lampang
90 MW

EA Solar Phitsanulok
90 MW

EA Wind Hanuman (Chaiyaphum)
260 MW

EA Solar Nakornsawan
90 MW

EA Solar Lopburi
8 MW

EA Wind Hadkanghan
(Songkla & Nakorn si thammarat)
126 MW

✓ Sun Tracker



✓ Robot Cleaning





THAILAND AND THE OPPORTUNITY

Detroit of Asia

ASEAN BEV Hub

- Under the Thailand 4.0 strategy
“Electric Vehicle Hub in ASEAN”



Thailand Electricity Supply – Support EV

Current Capacity

50,883 MW

Peak Usage

**31,000 MW
(53%)**

Maximum

REMAIN 47%

Thailand only needs reserve for

FIRST MOVER Advantages

- The remaining power in the system is currently **19,000 MW**
- Support up to 16,250 commercial vehicles (250kw per vehicle)

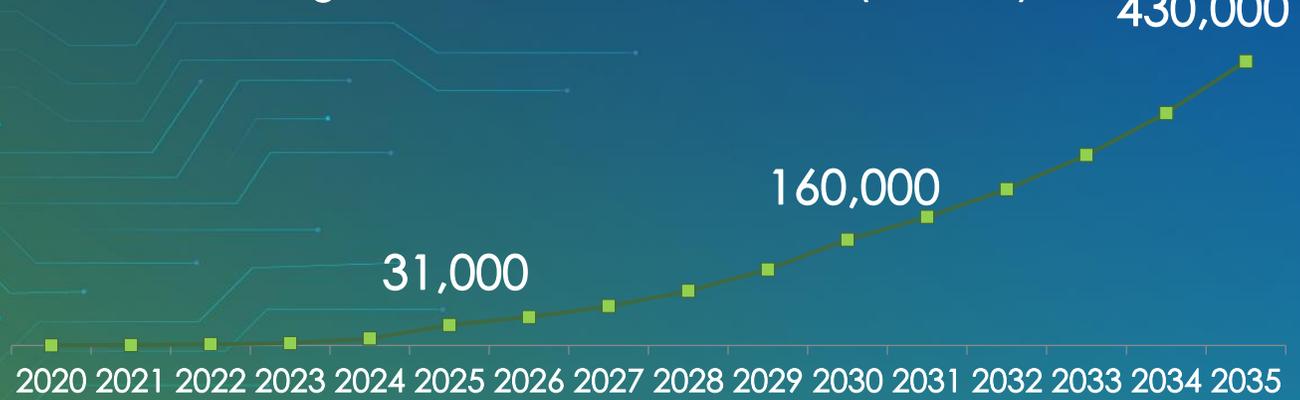
Potential Growth for EV Market: Thailand ZEV Plan

THAILAND EV MARKETS

Forecasting number of EV Passenger Car (Accum.)



Forecasting number of EV Truck & EV Bus (Accum.)

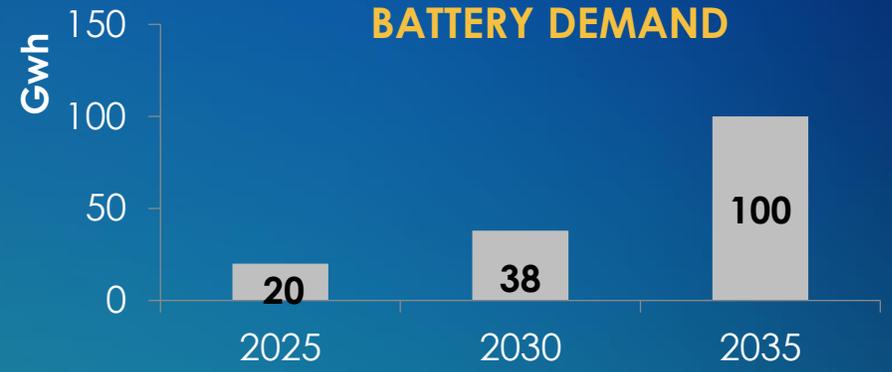


CHARGING STATION

Forecasting number of charger (Accum.)



BATTERY DEMAND



Source: State policies EV Committee

Ultra Fast Charge the Revolution on Logistic Industry

Focusing on EV Battery

⚡ 80%
15 Mins
Up to
3,000 Cycles

FASTEST EV
CHARGING SYSTEM
ON THE PLANET

INTEGRATE TO
ALL TYPE OF VEHICLE

Do you really need long driving range ?

Suitable Driving Range...

...with...

...ultra fast charge...

...is...

...more practical

250 km
per charging



Safe for Driver
Better for Business

Forget about Normal Fast Charge !!!

With our Ultra Fast Charge Technology, Your Business is better than before

~30%

More Distance with equal working time vs. Normal Fast Charge ⁽¹⁾

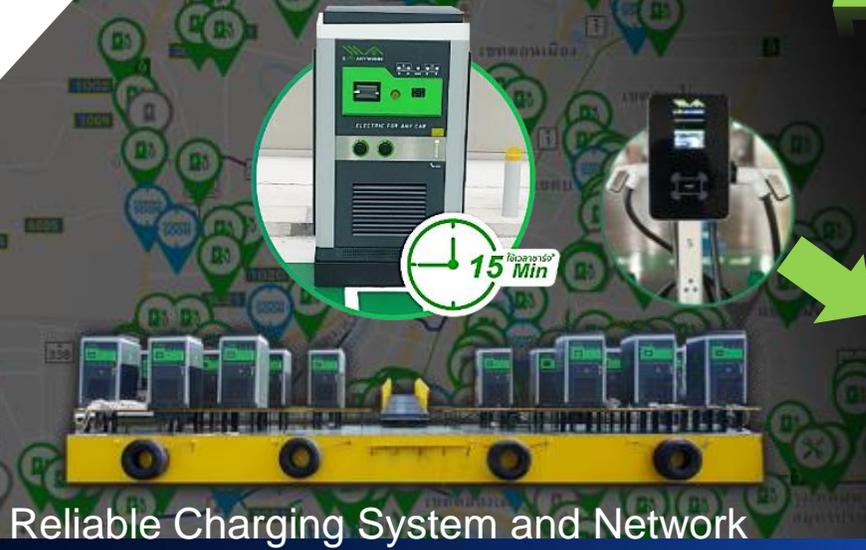
~40%

Lower electric vehicle operating cost vs ICE. ⁽²⁾

Remark : 1.Compare distance between (i) Ultra fast Charge (80% with in 15 mins) and (ii) Normal Fast Charge (80% with in 90 mins) based on battery 250 kwh with 250 driving range
2.Based on internal source

EA Ecosystem

with Ultra Fast Charge Solution



Strong Partnership with various manufacturer in each type of vehicle

High standard of After sales service is one stop service for all model of our E Vehicle

First Battery Gigafactory in Asean



Comprehensive Battery Production Complex

- Fully integrated production line: not only cells but also electrolyte, solvent and recycle process
- Ready for immediate expansion
Infrastructure Ready for quickly scale up from 1 GWh to 4 GWh without any major investments (up to 50 GWh)
- World class machine and facilities: Coater, Dry room etc.

Competitive Investment Cost

In Free zone

- Efficient and convenient for Import-Export
- Accept for All types of Cooperations (JV, exclusive production line, etc)
- Supply all types of products (cells, modules, packs)
- Quickly scale up and running

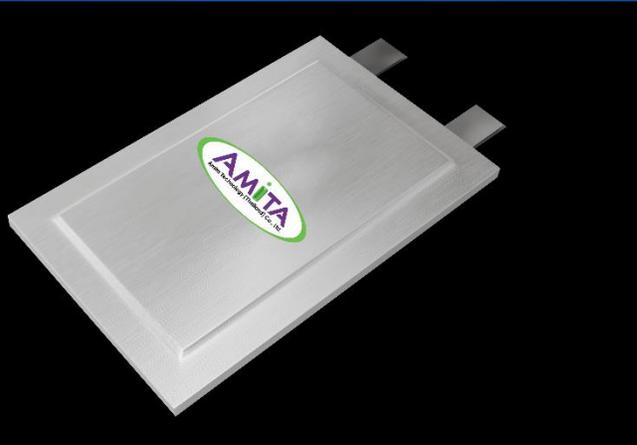


Ultra Fast Charge

- ✓ Fast Charging 4C (15 Mins Charge)
- ✓ Long cycle life over 3,000 (>8 Yrs)



Amita's Special Battery Features



- ✓ Long cycle life
- ✓ Fast Charging

Ultra Fast Charge



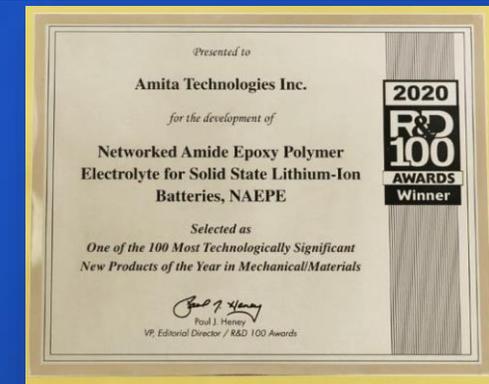
Durable Charge



NOW

All in-house development

Solid State



- ✓ Higher energy density
- ✓ Ultra safety
- ✓ Good conductivity and stability

NEXT

The Largest Integrated E-Bus Plant in Southeast Asia



- **Company:** Absolute Assembly Co.,Ltd.
- **Location:** Chachoengsao
- **Capacity:** Up to 8,000 units per year
- **Standard Granted:** ISO:9001
- **Area:** Over 65,000 sq.m³

BUILD TO HIGHEST QUALITY

1. The plant designed by professional team who had designed international automotive manufacturing
2. Machine Sourcing / Installation / Commissioning by expertise in the automotive industry
3. Monitoring production process by professional partners to meet global standards and high quality of electric vehicles

AAB – Global Standard E-Vehicles Plant



Delivering Electric Bus

EXTERIOR



INTERIOR



Over 100 Completed Production >> Delivering to Customers





EA ANYWHERE Application

Hit ~ 37,000 downloads

150 kW for EV



Ahead of Charging Station

~ 600

DC (Super Fast Charge)



~ 427
No. of Locations

Total Ahead of Charging Station
~ 1,700



Ahead of Charging Station

~ 1,100
AC (Normal Charge)

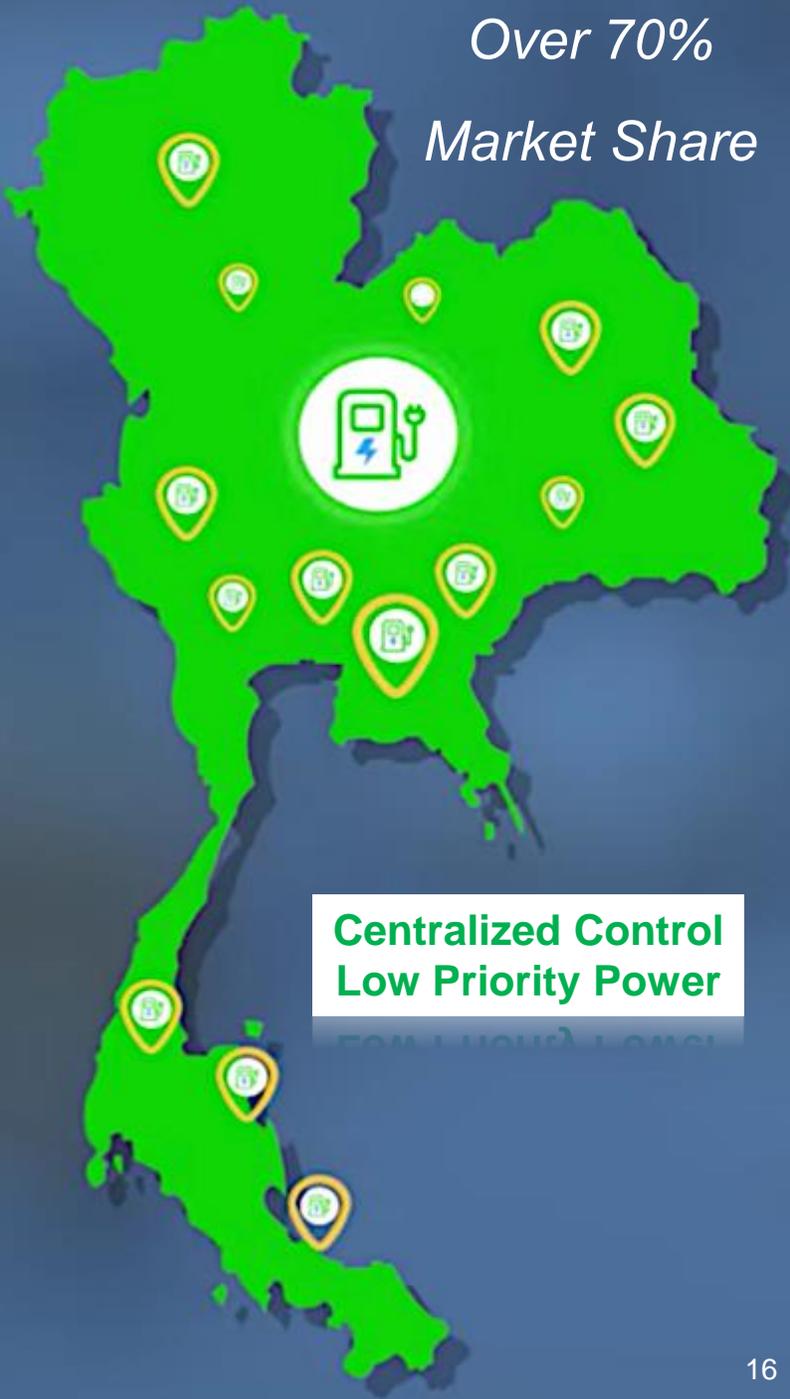


300 kW for E-Bus and E-Truck



DC (Ultra Fast Charge 300 kW)

Over 70%
Market Share



Centralized Control
Low Priority Power

EV Charging's Expansion

Develop charging station along the interstate road to facilitate all commercial EV vehicles and passenger cars for long-length journey and strengthen EV Ecosystem



Future Growth



Expand the coverage charging area to all potential public and private location including interstate charging station at all interstate road.

EV Industry

- > EVs > e-Bus > e-Ferries
- > All kinds of commercial vehicles



World Class Battery Production

- > Comprehensive Battery Production
- > One-stop Service
- > Free-zone

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