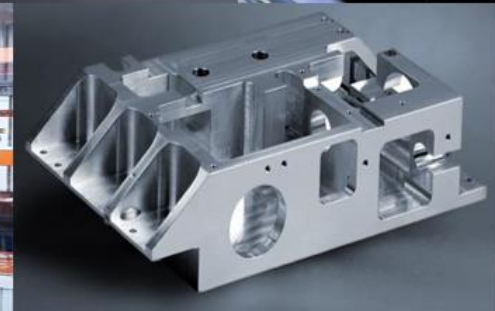




Integrated
Engineering &
Manufacturing



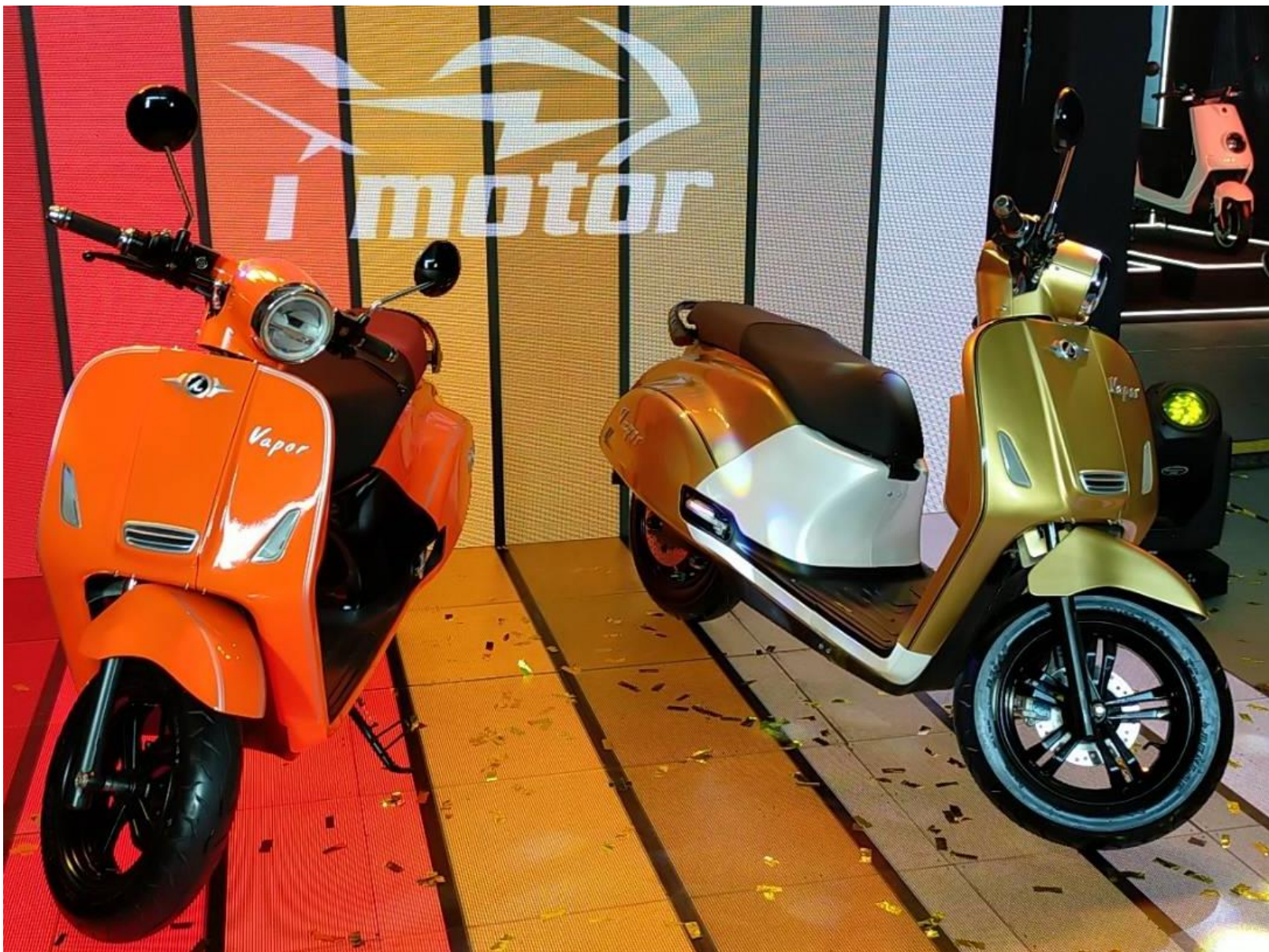


Electric scooter





Vapor (Made in Thailand)





Delivery 260,000



Motor Taxi 155,000

Bangkok 80,000



7-11 Delivery

2022 Jun

13,534 Stores





PPT Gas Delivery

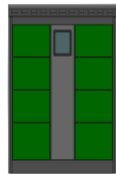




Charger and Swapping station



Battery swap charge development path



Jinpao

- Concept
- Original Design Manufacturer

Feb2021



Jinpao & Outsource

- R&D on battery related topics
- Design of electronic part
- Develop Application & Control

Mar2021



Jinpao

- Assembly & Install to Cabinet.
- Cabinet.
- Wiring diagram.
- Built in program.

Apr2021



Jinpao

- Test for the efficiency of charging the battery.
- Temperature.
- Cost of charge.

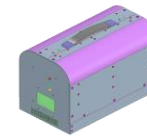
May2021



Jinpao

- API for creating platform.
- Payment.
- Parameter of Battery.

Jun2021



Jinpao

- Battery charger development
- Low cost.
- Open parameter.
- Communicate in RS232 format.

Dec2021

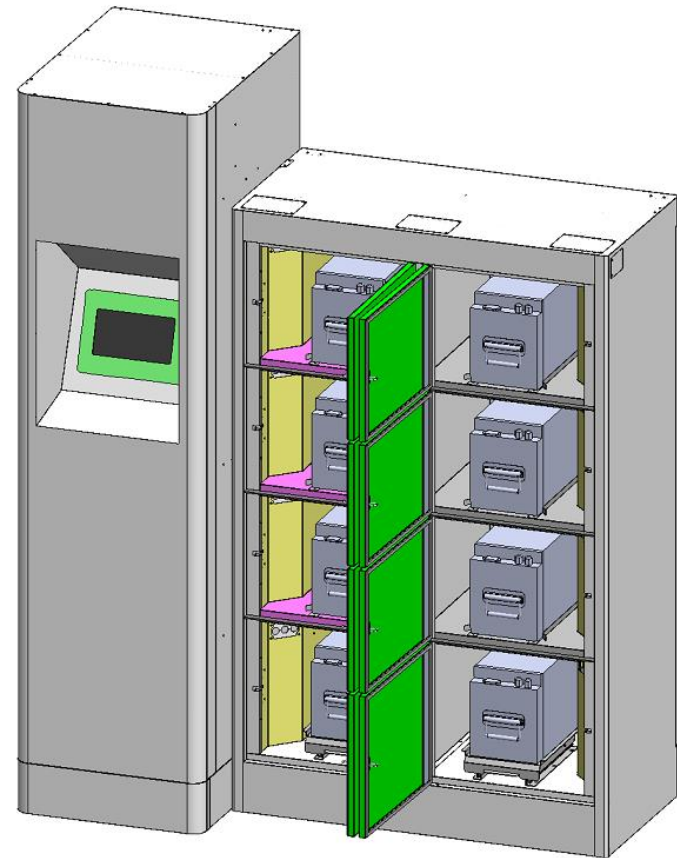
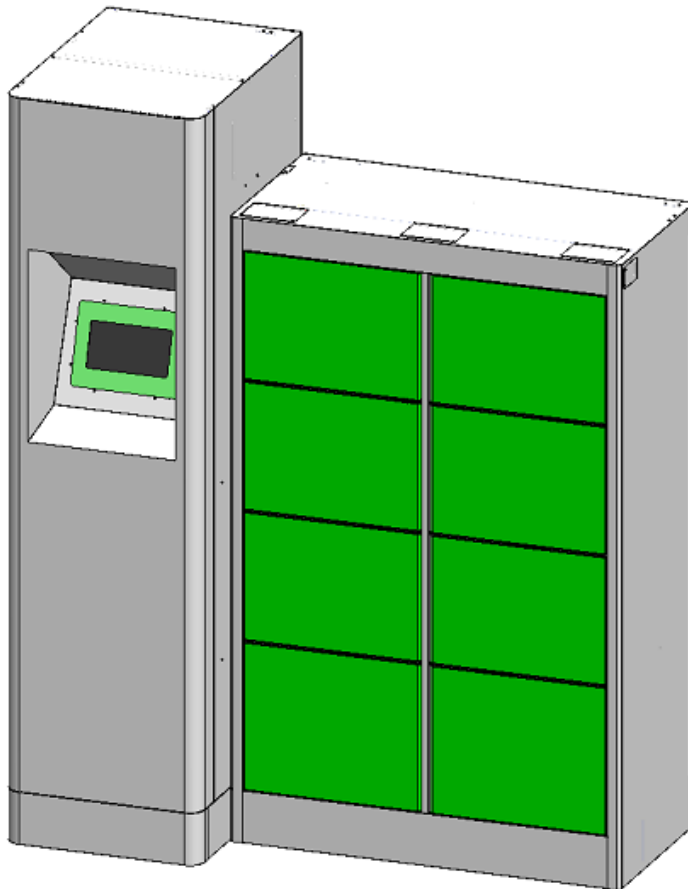
Jinpao

- To allow the development of domestically produced EV equipment parts.

2022

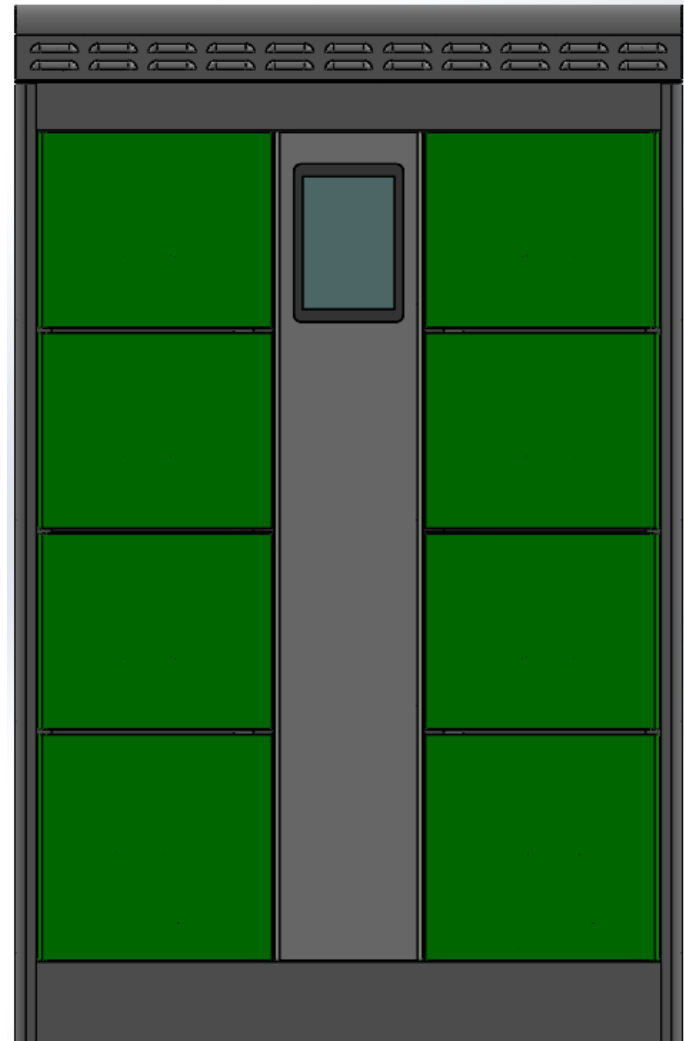
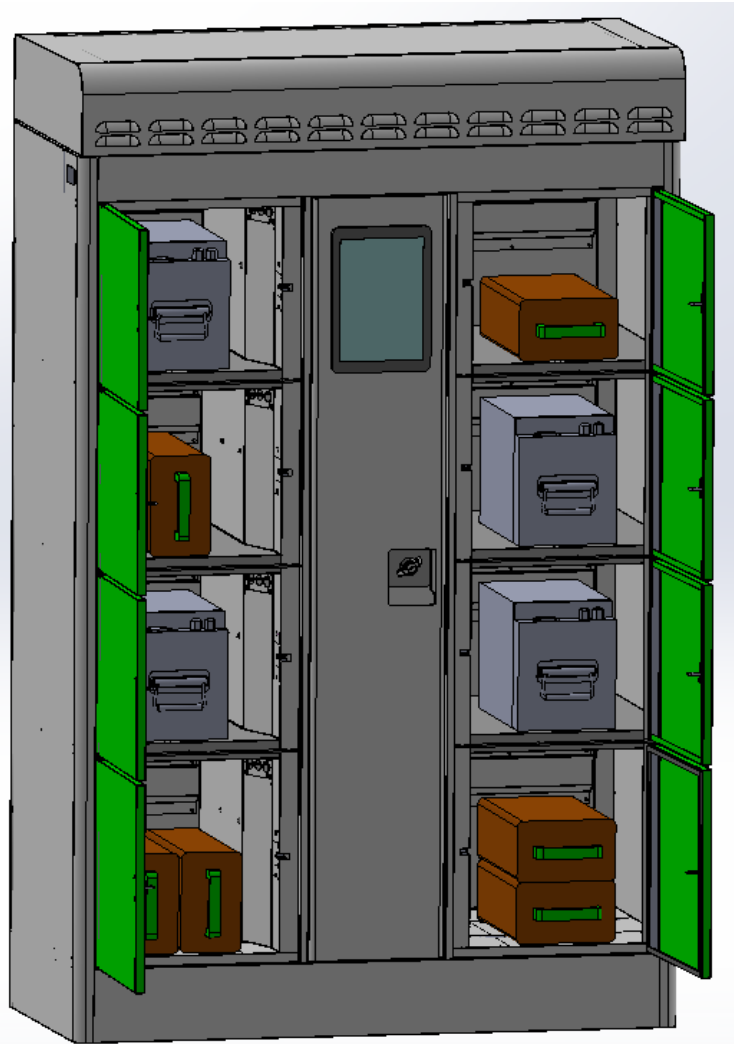


Modular cabinet concept

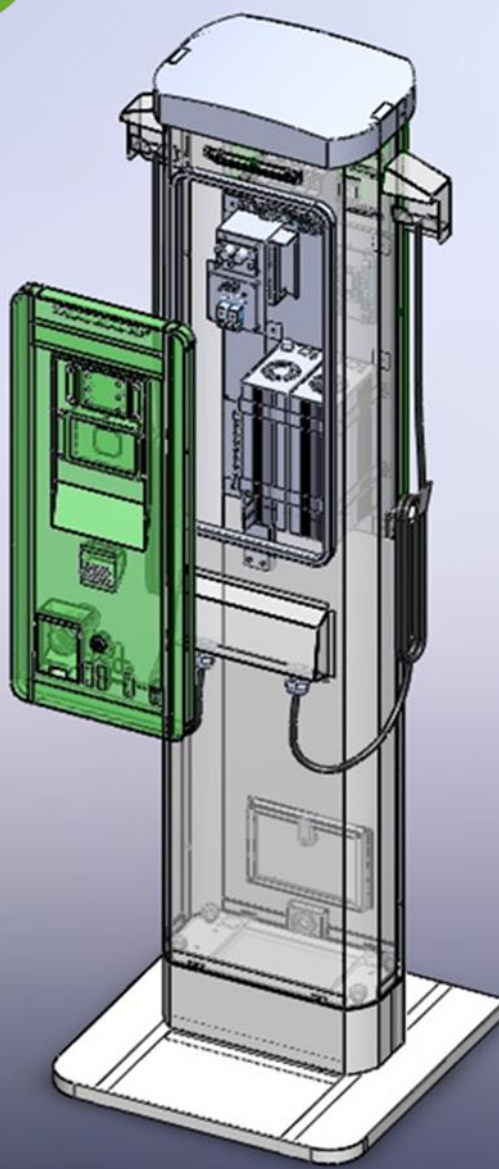




Modular cabinet concept

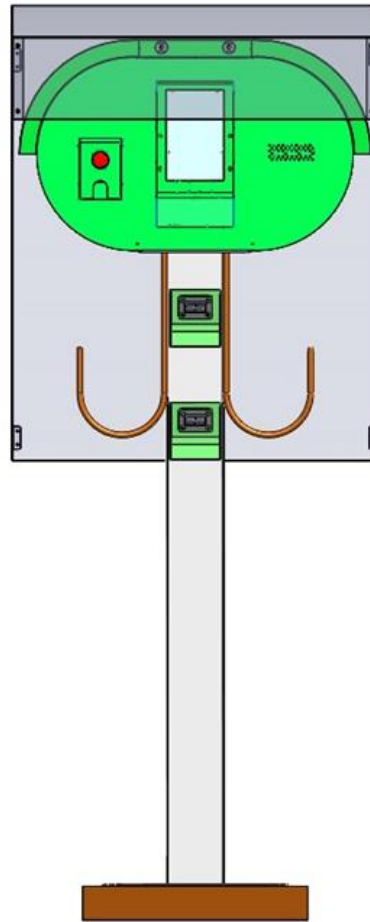
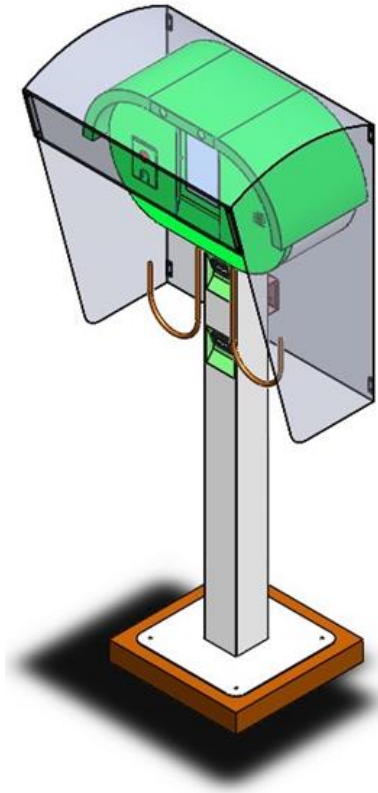


Wall Mount and Charger station

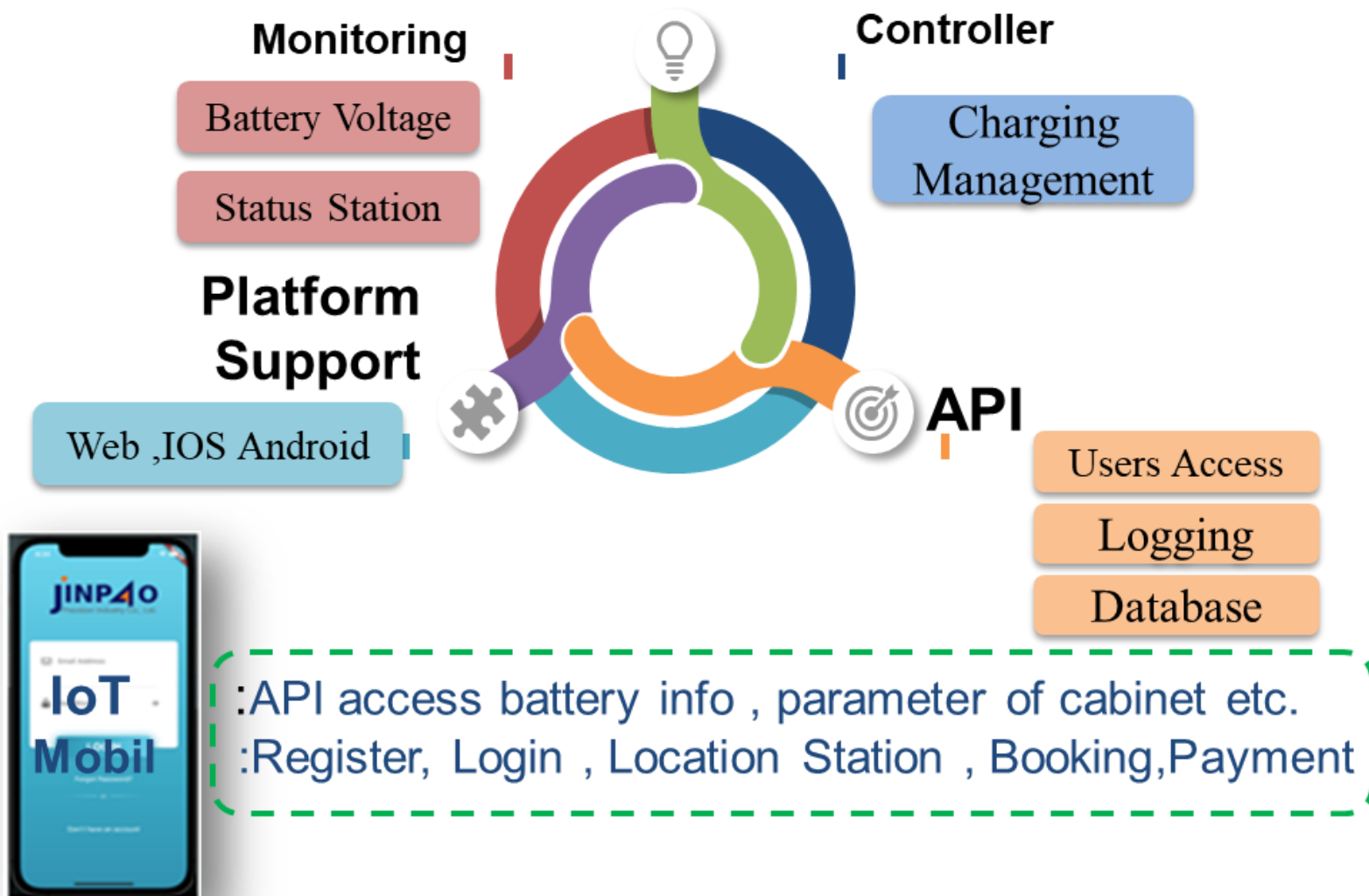




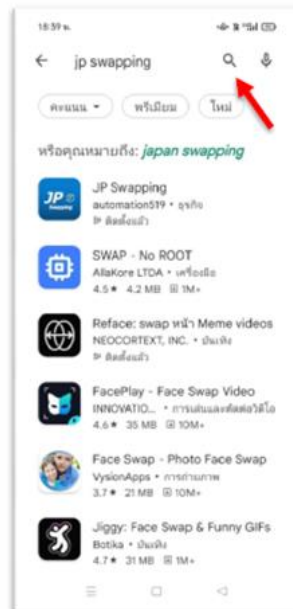
Wall Mount and Charger station



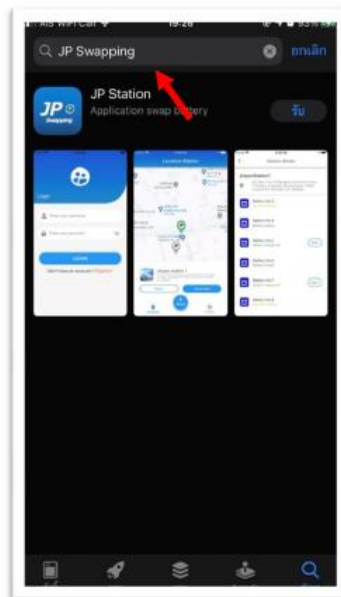
Battery swapping application

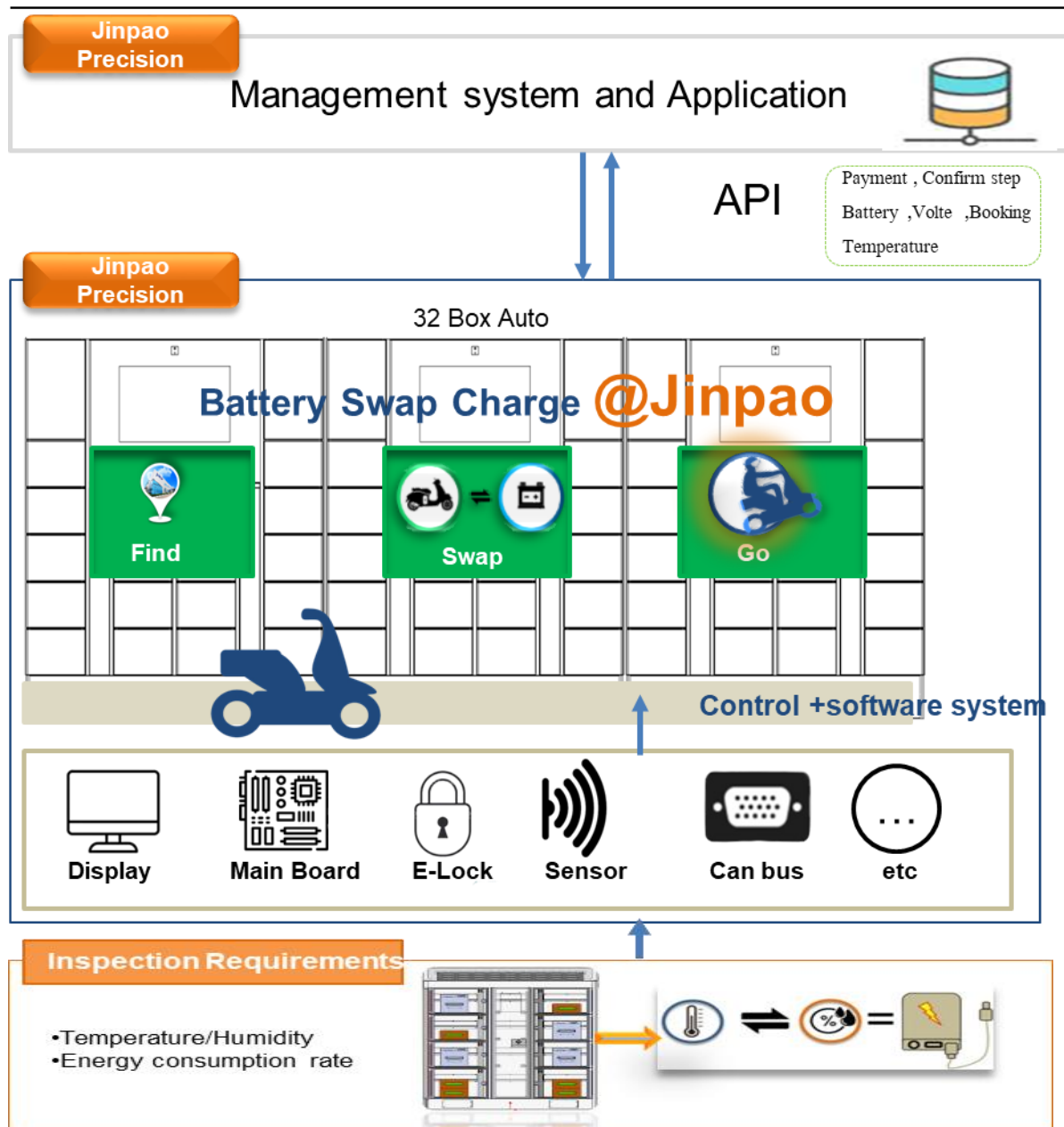


Platform Android



Platform IOS





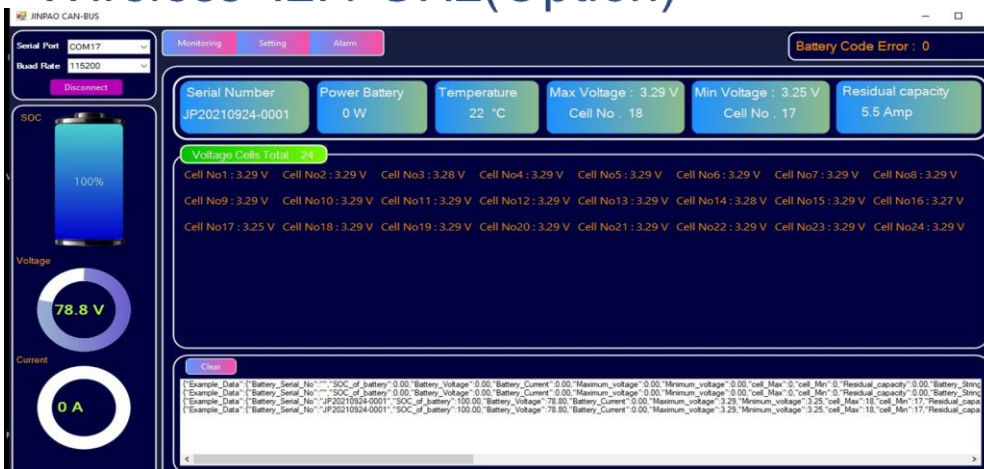
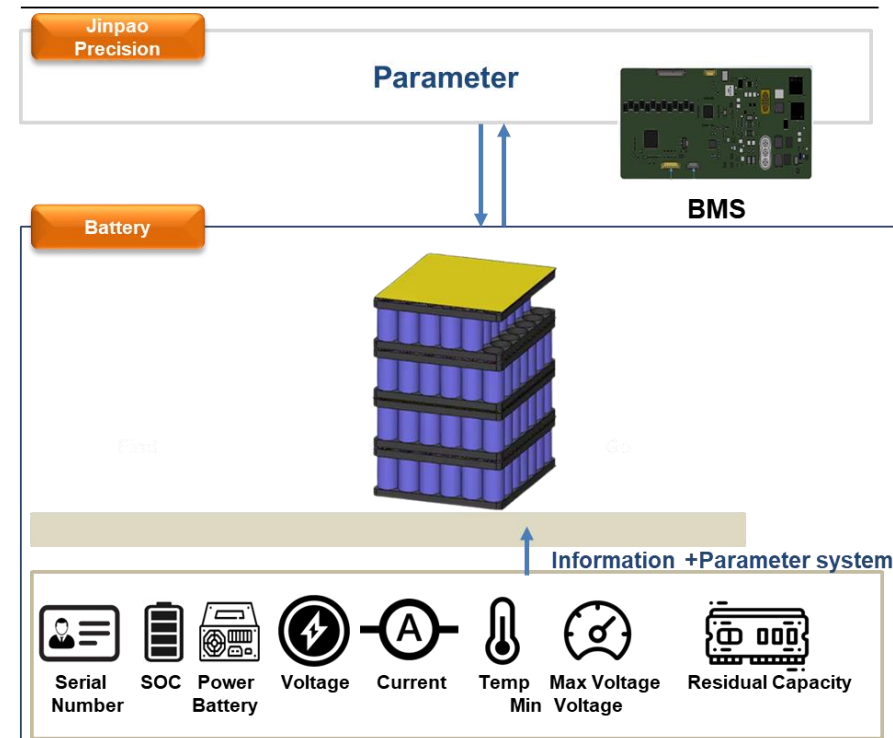


Smart Charger Support



- Internal :CAN BUS PROTOCOL
- External :RS232
- Wireless :2.4 GHz(Optional)

CAN BUS PROTOCOL @Jinpao





Jinpao Smart Charge

Jinpao
Precision

Power Charger Board



Multi Charger



Swap

Go



Information +Parameter system



**72V called
voltage**



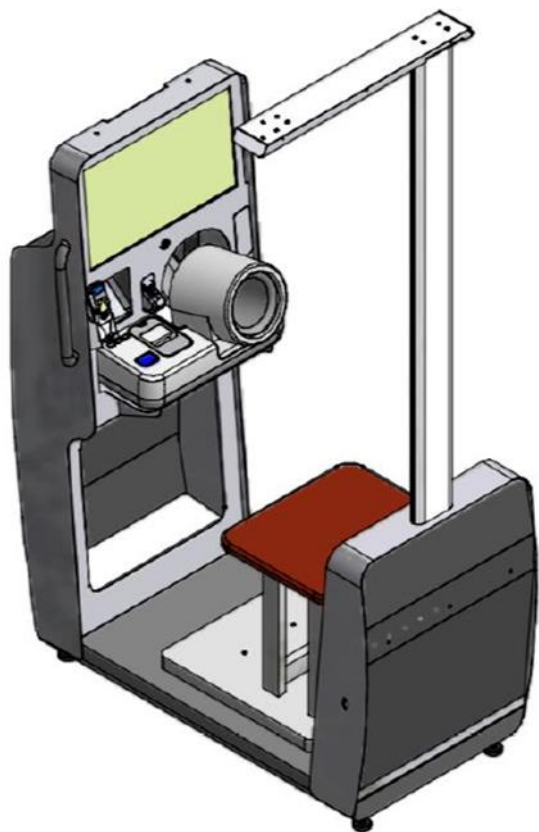
**60V, called
voltage,**



**48V, called
voltage**

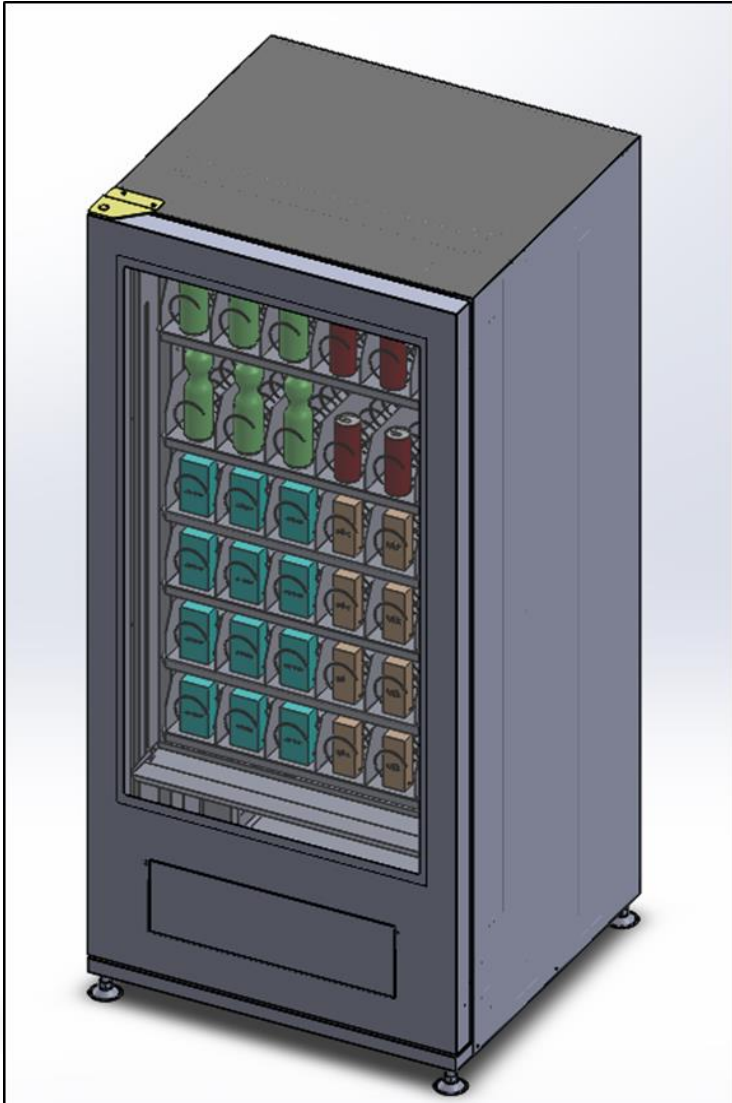


Smart Vital Signs Station





Smart Vending Machine





Smart Coffee Machine





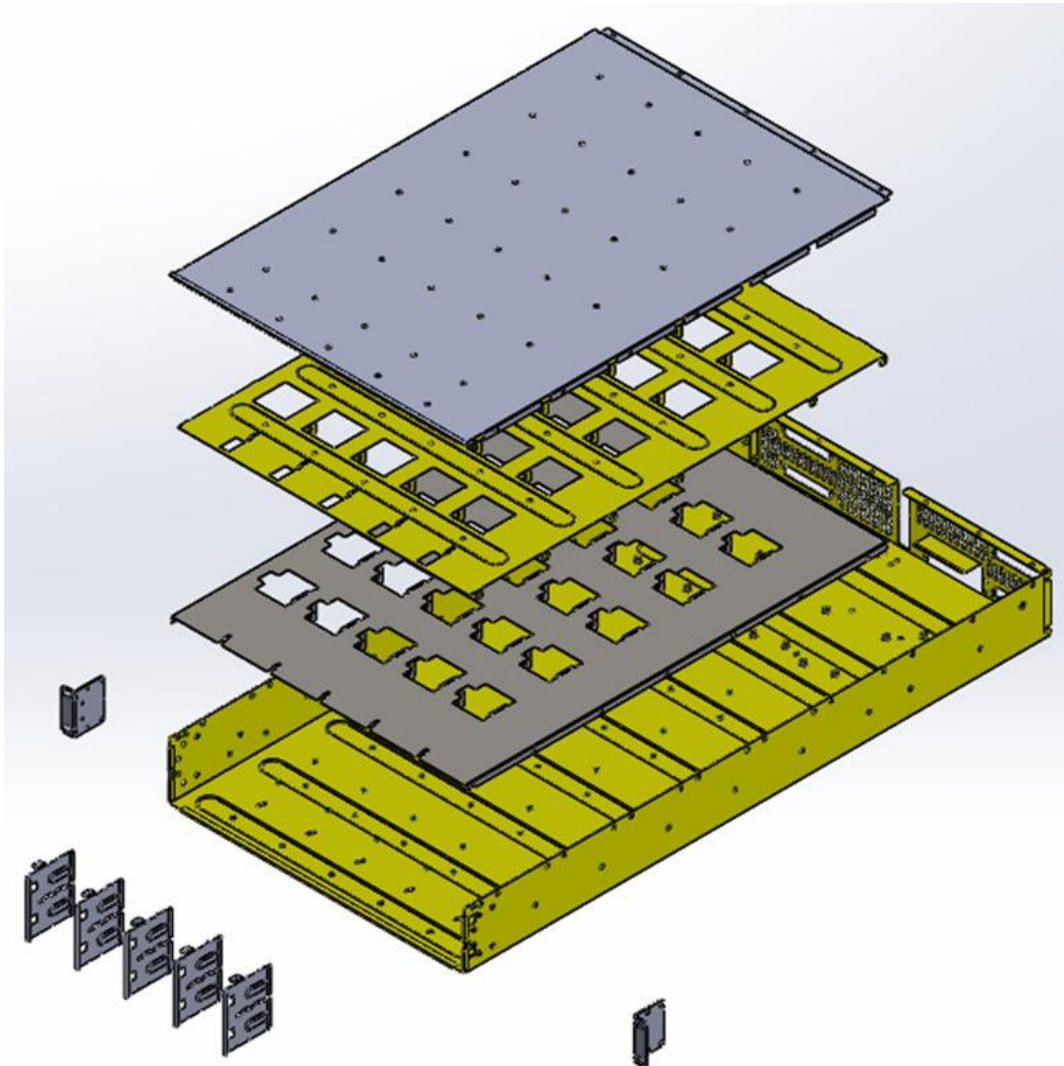
Data center Rack (42U)

High 2,028.8 mm



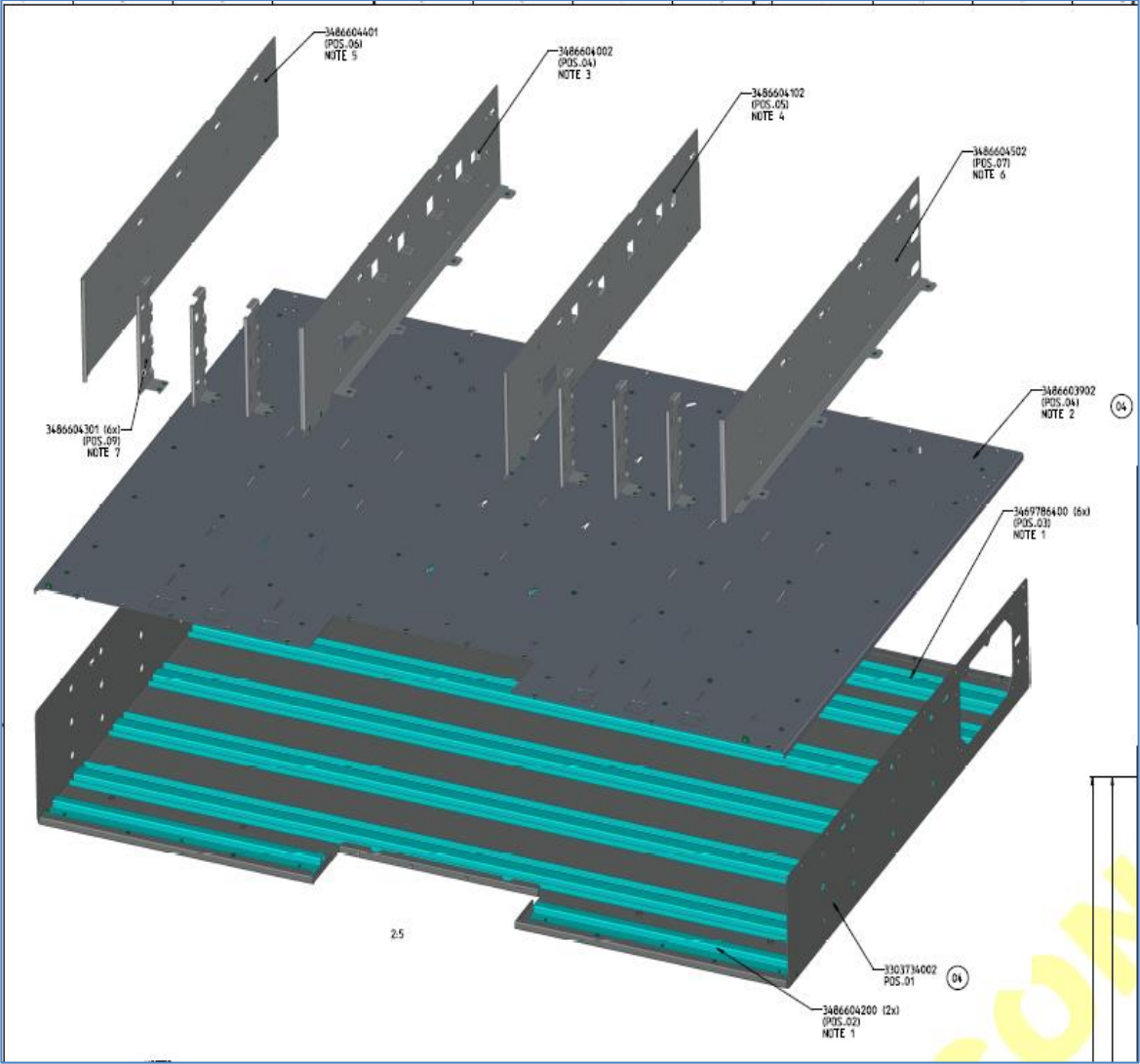


Data Center Server



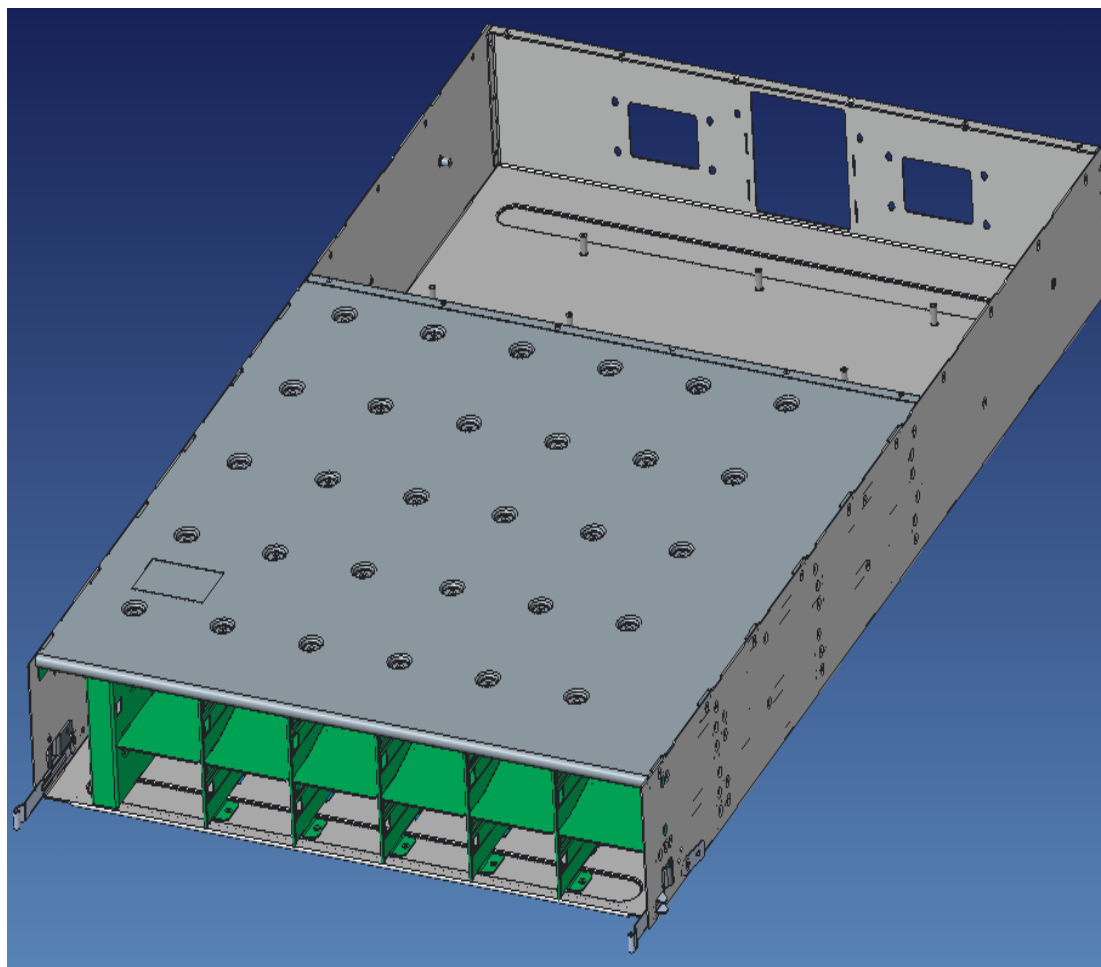


Data Center Server





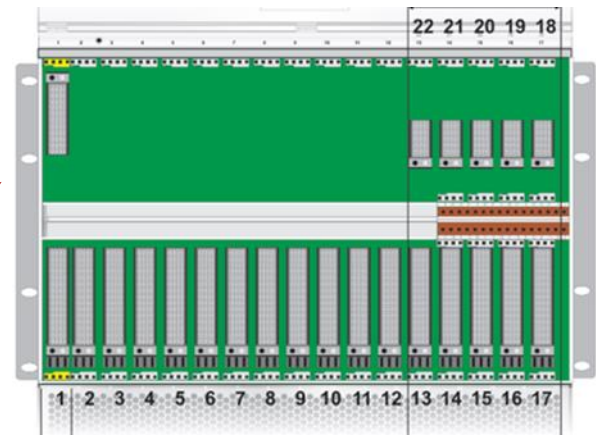
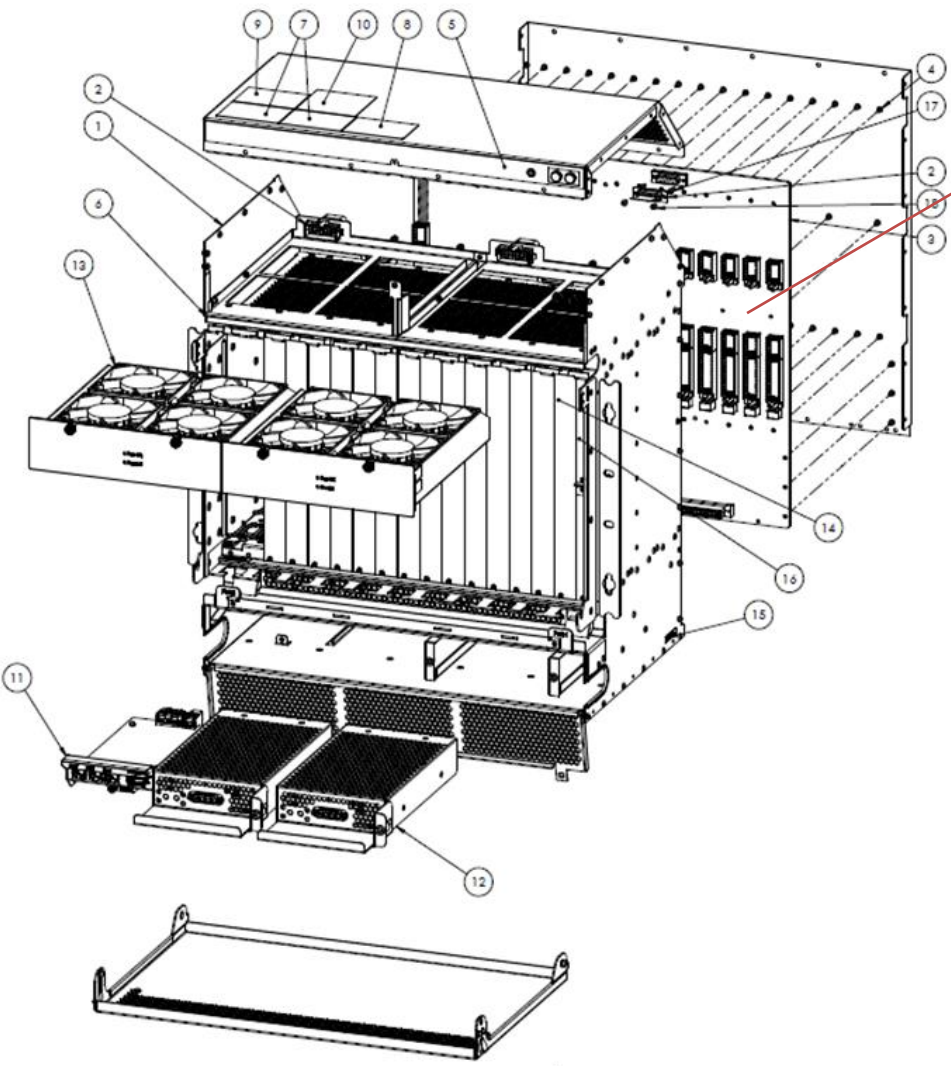
Data Center Server



M customer
1U
2U
3U

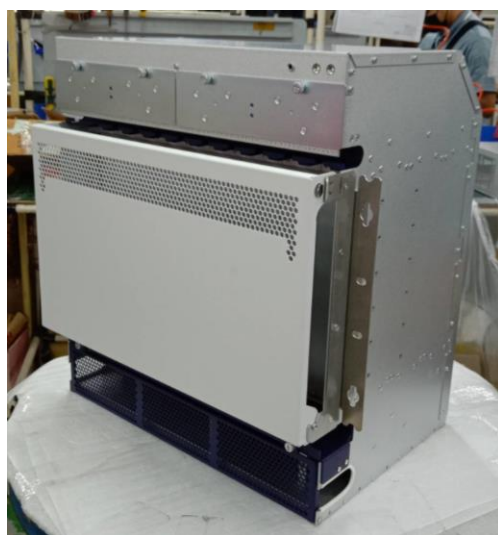


Model PCB Assemble





Model PCB Assemble



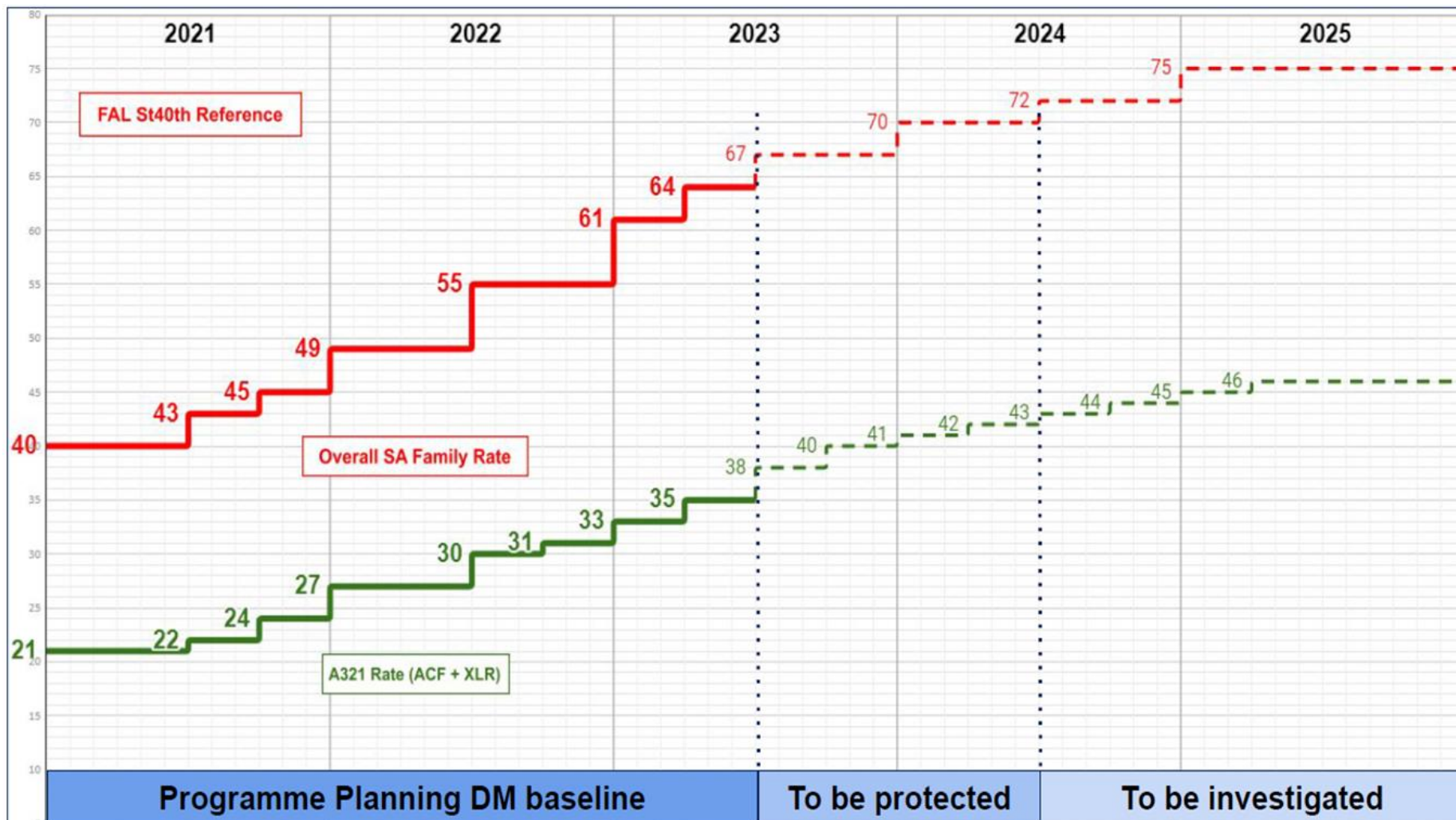


Oil Self Service payment (Taiwan)





Single Aisle program



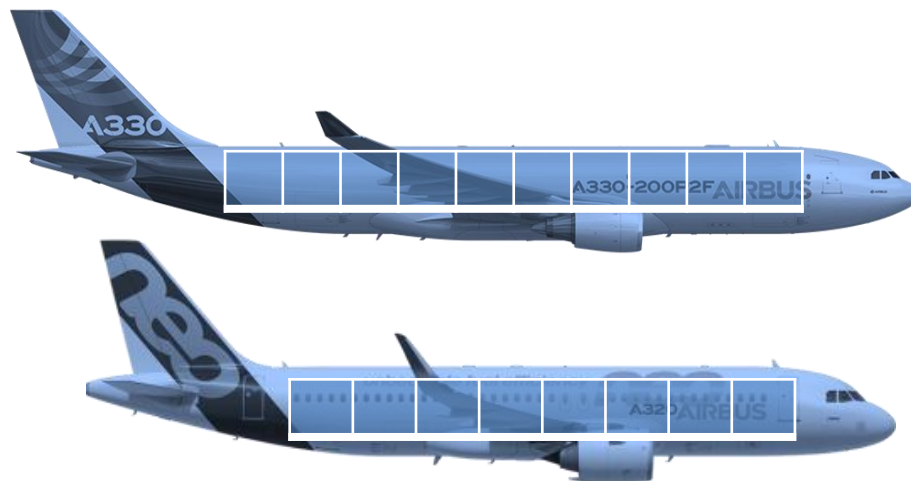


AIRBUS Program

	Current Program	Current Rate per month	Planned Min/Max Rate per month	A/C st40* 2021	A/C st40* 2022	A/C st40* 2023	A/C st40* 2024
A320	DN	45	66 (Oct-2023)	488	596	731	Under investigation
A330	CP	2.2	2.8	22	25	31	30
A350XWB (St50)	V	5	6 (Jan-2023)	50	22	66	66



A320 and A330 Passenger to Freighter (P2F) Conversion



3,000+ Parts

Y2022: FA

Y2023: MP



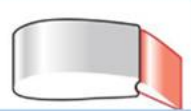
Target Aviation product category



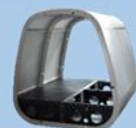
**Structural Sheet metal
Parts**



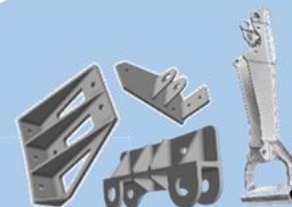
Winglets



**Flaps,
Spoilers,
Ailerons**



**Fuselage
elements**



**Brackets,
Structural Parts
and Assemblies**



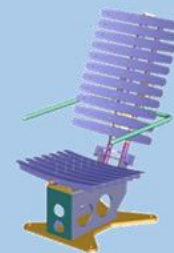
**Sheet metal Parts
for consoles**



**Main Landing Gear Kits
and Assemblies**



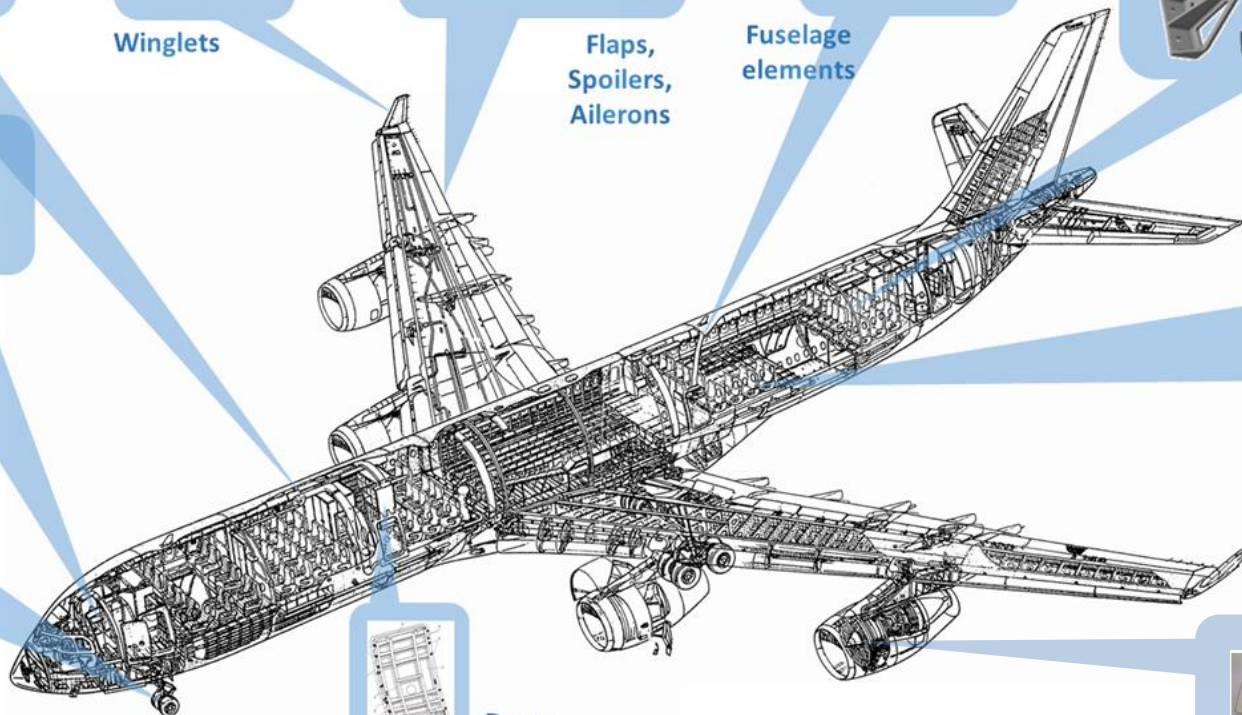
Doors



Seats



Engine metal skin





Thank You!

