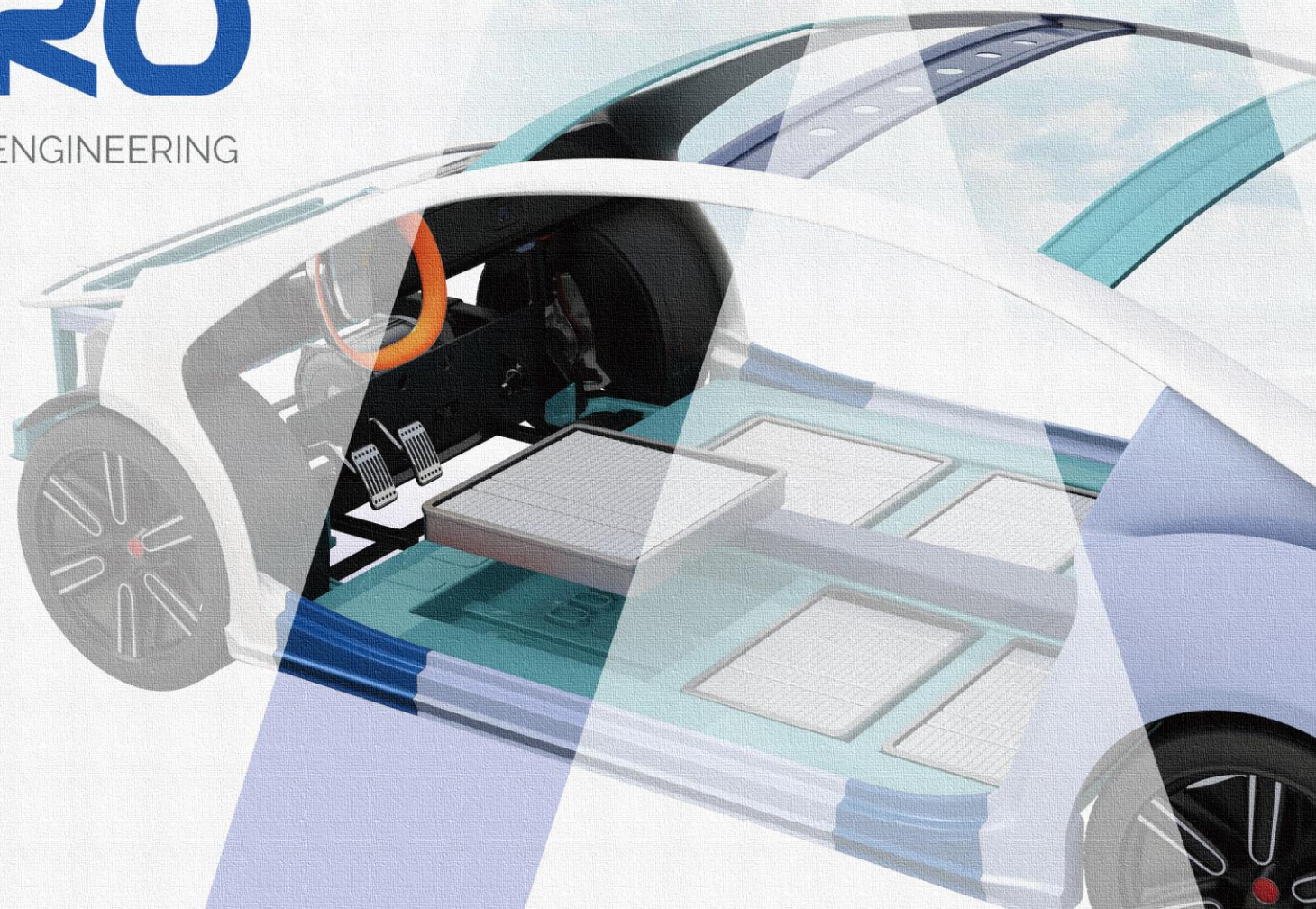


Investor Relations
2025

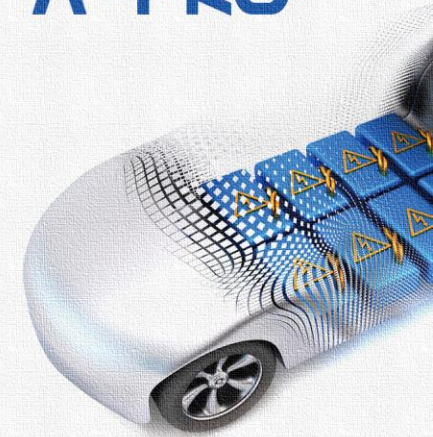
A-PRO

THE BEST ELECTRICAL ENGINEERING
SOLUTION PROVIDER



**THE BEST ELECTRICAL
ENGINEERING
SOLUTION PROVIDER**

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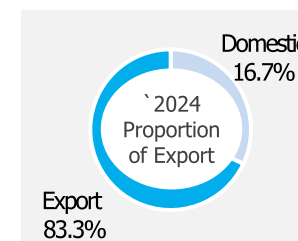
Specialized to manufacture the Secondary Battery Equipment

Company at a glance

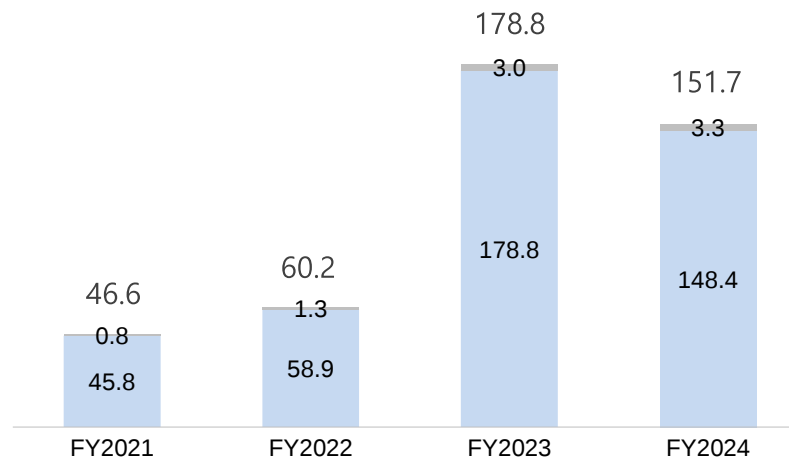
Corporate Name	A-PRO Co., Ltd.
Date of Foundation	June 2000
Equity	KRW 7.2bn
# of Employees	321
Business Area	Secondary Battery Equipment Manufacturing
Address	41-14, Burim-ro 170beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea
Web-site	http://www.aproele.com

Trend of Revenues

■ Equipment
■ Others



(Unit : USD mn)



Secured the growth engine based on the technology of electric power conversion

A-PRO

The Best Electrical Engineering
Solution Provider

Establish / Accumulation

Establish / Enter of Secondary battery market
[2000 ~ 2013]

- **Establish A-PRO**
- Commercialized development of multi output 27KW for semiconductor wafer inspection
- Patented for inverter
- Patented for display panel conveying system and method
- Patented for electricity discharging circuit
- Appointed for specialized company for material parts
- Awarded product of the year(2010) [A-PRO600]
- **Patented for Secondary Battery Formation device**
- 2 cases certified for high efficiency energy device
- Green energy certificate-Secondary battery discharging energy recovery technology
- **Registered for vendor of L Corp & S Corp.**

Growth

Supply & Develop main equipment
of Secondary battery [2014 ~ 2020]

- Patented for cooling system for battery charging/discharging device
- Applied for international patent for electric power transformation (USA, EU and China)
- Appointed for specialized enterprise for energy saving any (ESCO business provider)
- **Develop and delivery of charge/discharge · IR-OCV**
- **APRO, the first company to develop and deliver the High-temp, High pressure Charge/Discharge equipment in Korea**
- Test equipment (Cycler) delivery expedited
- Agreement for development of next generation electric power and semiconductor element
- Establish subsidiaries in China (Nanjing) and Poland
- **KOSDAQ Market Listed ('20.07)**

Take off

Broadening business area globally
[2021 ~]

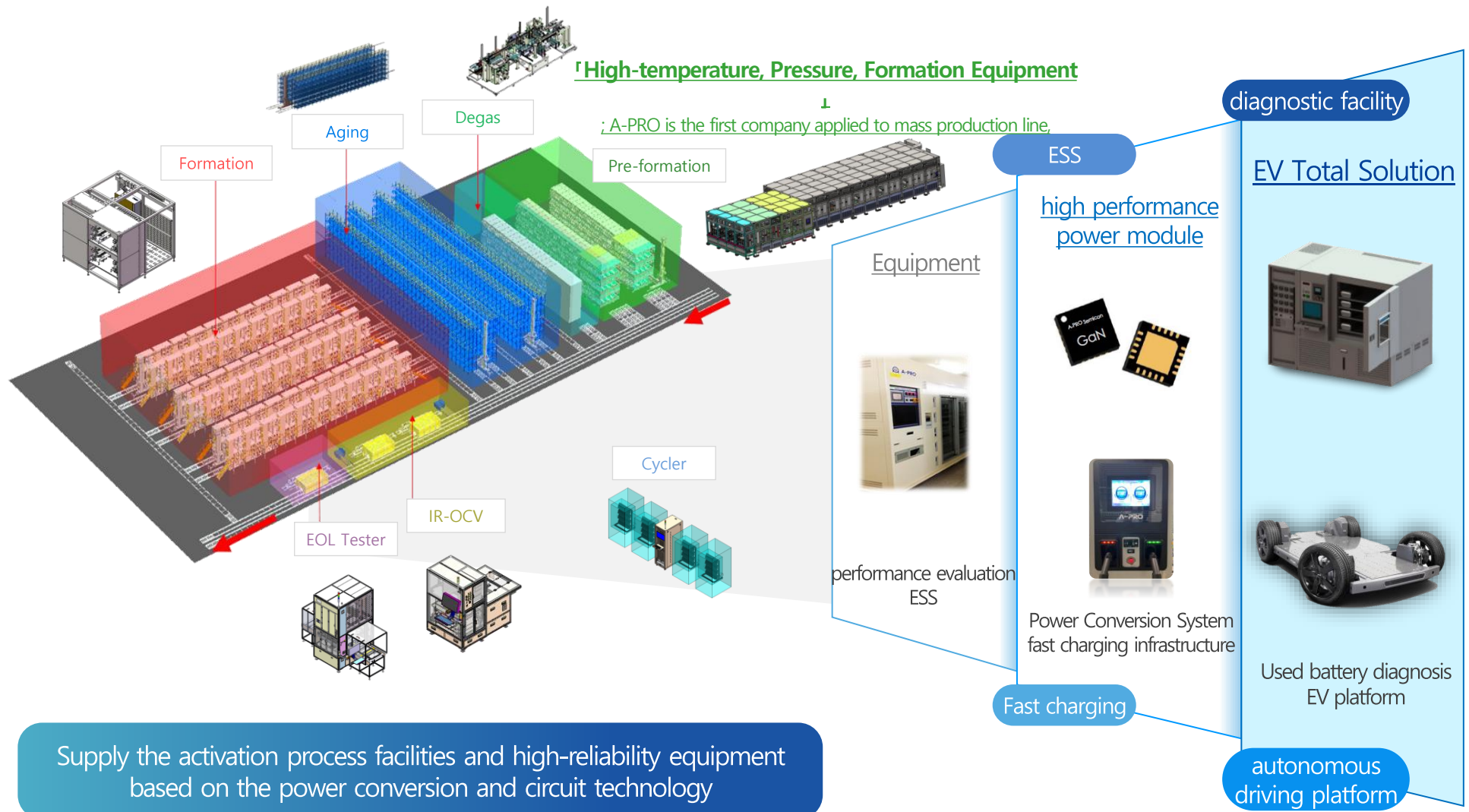
- Set up R&D Center in Si-heung ('21.05)
- **Establishment of US branch in Ohio ('21.10)**
- **Awarded Silver badge(Presidential prize) for small & medium size enterprise ('23.05)**
- New investment(60 billion KRW) agreement to APRO semi-con from Gumi Province ('23.12)
- **Promoted to executive of Korea Battery Industry Association. ('24.02)**

History

Remaining Purchase Order, KRW 200bn

Expansion of business areas based on the power conversion technology

Secondary battery activation process line-up and expansion strategy to EV total solution



The core of secondary batteries, the business of manufacturing activation process equipment

A-PRO



Pre-production

electrode

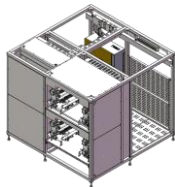
assembly

activation

Post-production

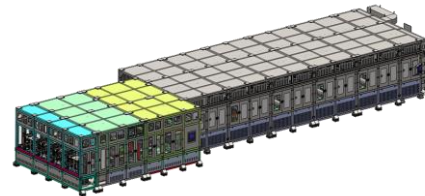
main products

Charging / Discharging Equipment



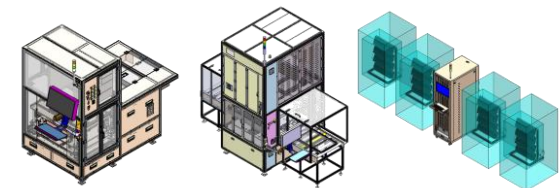
Grant the secondary battery characteristics through charging and discharging after assembly

High-temperature, Pressure, Formation Equipment



High-temperature + Pressure + Formation

Inspection Equipment (IR-OCV, Cycler)



Test on performance and lifespan

customer needs

process simplification

reduce manufacturing period

efficiency & quality

yield improvement

excellency

Integration of 3 processes

optimization & cost reduction

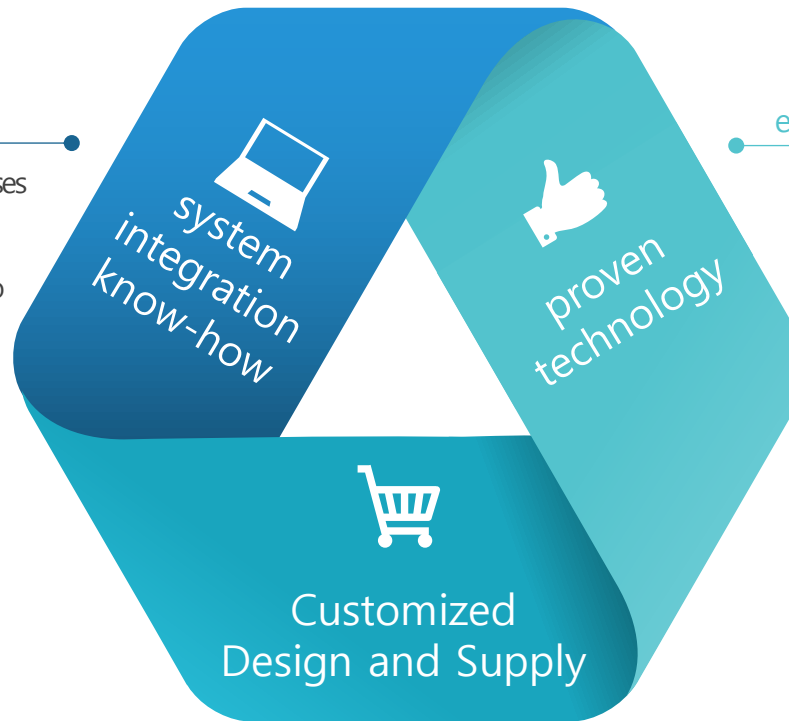
performance Improvement
[~20%]

yield improvement

Value of going concern, based on the integrated design capability of process equipment

System integration ability

Possession of proprietary technology for all processes except production/assembly, from system and instrument design, control, S/W, communication, to final inspection



expertise in power conversion & control

From LG Chem to Energy Solutions.
Power conversion technology verified by customers

Capability of Customized Design

Provide customized design through capability of A-PRO's own S/W, control, and communication program.

Increase R&D capabilities through excellent research organization and continuous investment

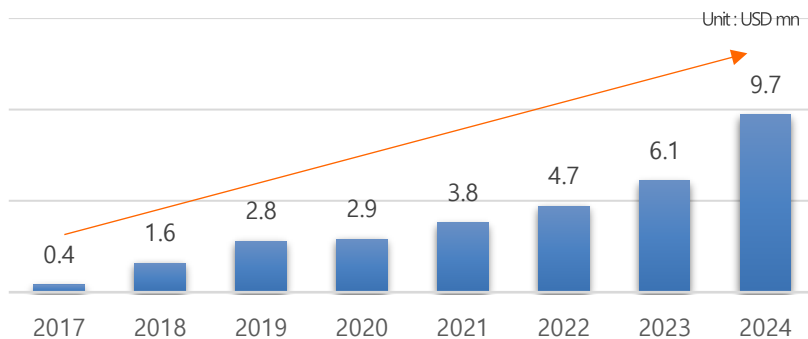
R&D personnel, 60%



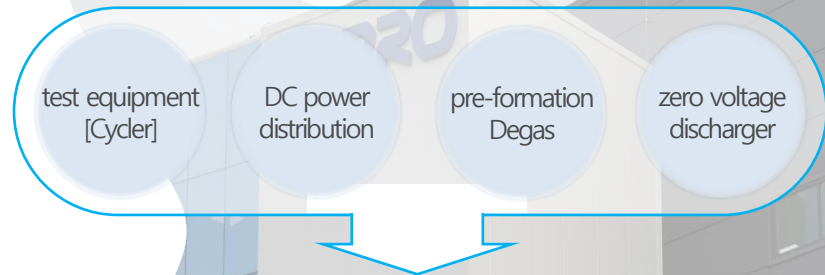
192 Persons
Over the ten-year R&D Experience
: 82 Persons (43%)

Operation of a department dedicated to maximizing expertise and efficiency

R&D expenditure trend



R&D achievements in the last 3 years



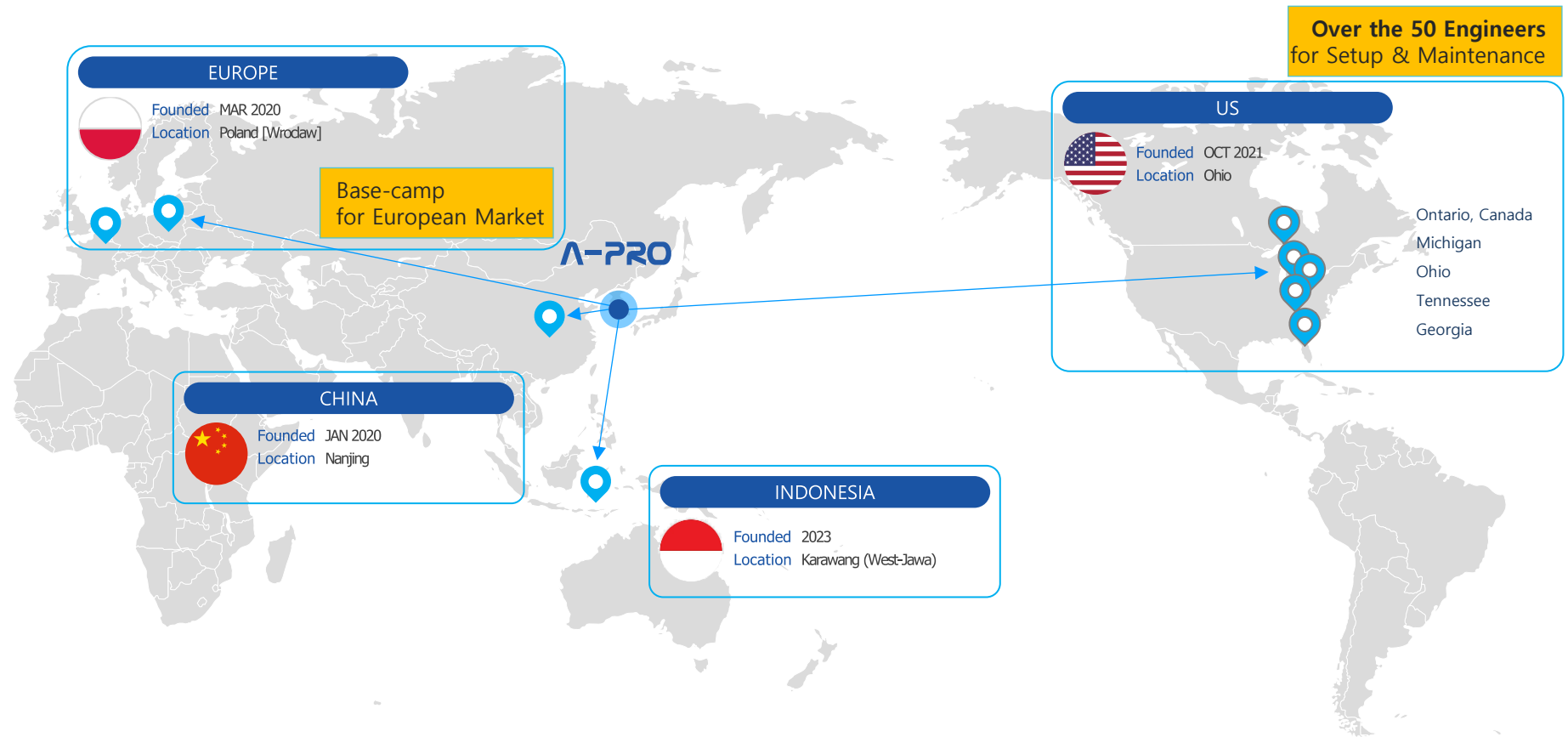
Proposal of new construction methods and facilities through continuous R&D

Major R&D Status

<u>bi-directional inverter</u>	rapid charging of 500kW~1MW
<u>DC power distribution</u>	40% reduction in power consumption
<u>GaN power device</u>	increased energy efficiency and miniaturization
<u>battery diagnostic technology</u>	applicable to related industry
<u>Pre-formation Degas</u>	completion of facility value-chain
<u>zero voltage discharger</u>	power loss reduction and operation simplification

Securing overseas bases to support customers' overseas production sites

Providing customized services



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Appendix

New Business in Subsidiaries

- 01. GaN Power Device
- 02. EV Charging Service
- 03. Used-battery Evaluation



GaN Power Device

Next-generation WBG(Wide band gap) compound semiconductor

A-PRO Semicon Co., Ltd. | July 2020 | KRW 15.4bn | A-PRO 53.7% | Series-B [KRW 40bn], Successful Landing

GaN Power device's Core materials and Device/Components

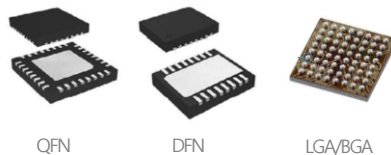
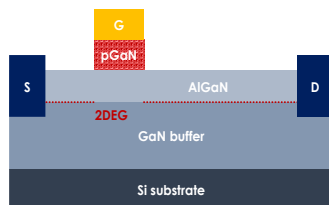
GaN Epi-wafer

- Main products: 8inch GaN on Si , 4inch GaN on SiC etc.

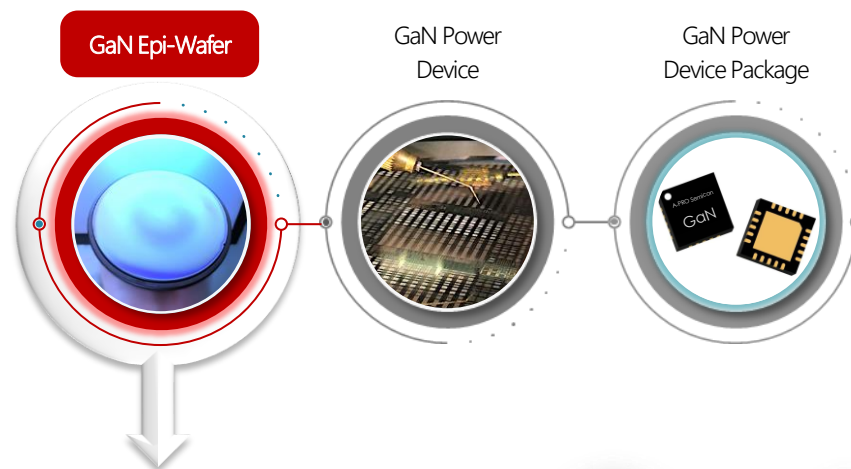


GaN Power components

- Main products: E-mode GaN (100V~650V) devices/PKGs



High performance and High efficiency Power module/system business



GaN Epi-Wafer Capability
in Gumi-factory
20,000 Wafers/year



100 kW fast charging service for EV

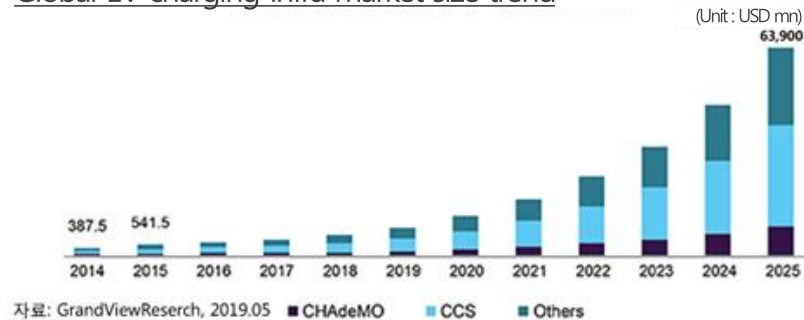
GREENVOLT

Dominating the EV charging infrastructure market

PICKLE
STATION

Green-Volt Co., Ltd. | August 2021 | KRW 650mn | A-PRO 100.0%

Global EV charging infra market size trend



Electrification project for EV Cargos [Korea Federation of SMEs]

Improved user convenience
through a battery fast-charging station

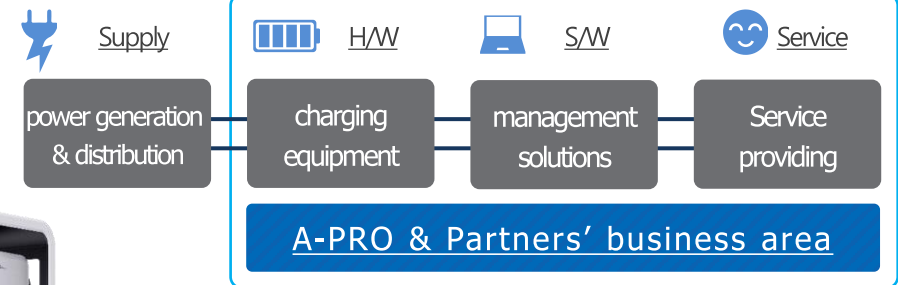
Securing user stability
through cell status diagnosis function during charging

Securing customer scalability
through a platform with a highly acceptable interface



Around 2030,
the ability to provide
EV charging stations
equal to the capacity
of current gas stations.

Value-Chain



Application of power conversion and
rapid charging technology

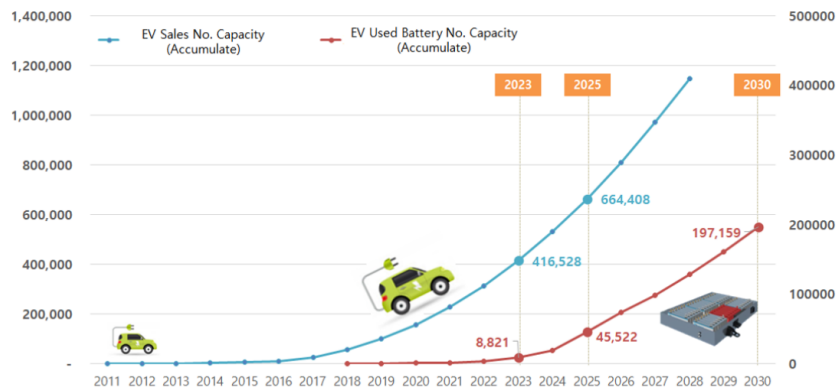
Built-in battery evaluation function

Leading standardization
of charging stations

Used-battery evaluation facility with Big-data algorithm & AI

Results within 6 minutes

4 year government project in progress → Kookmin Univ., cycling test and big-data construction for 2.5 years

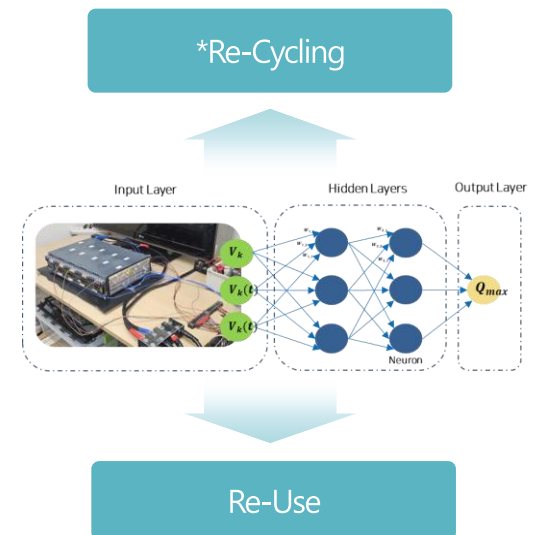


The number of used batteries is expected to increase exponentially as the spread of electric vehicles expands.



ECOVOLT

Diagnosis Process
[Sorting]



A-PRO

Future Energy, Total Solution Provider

