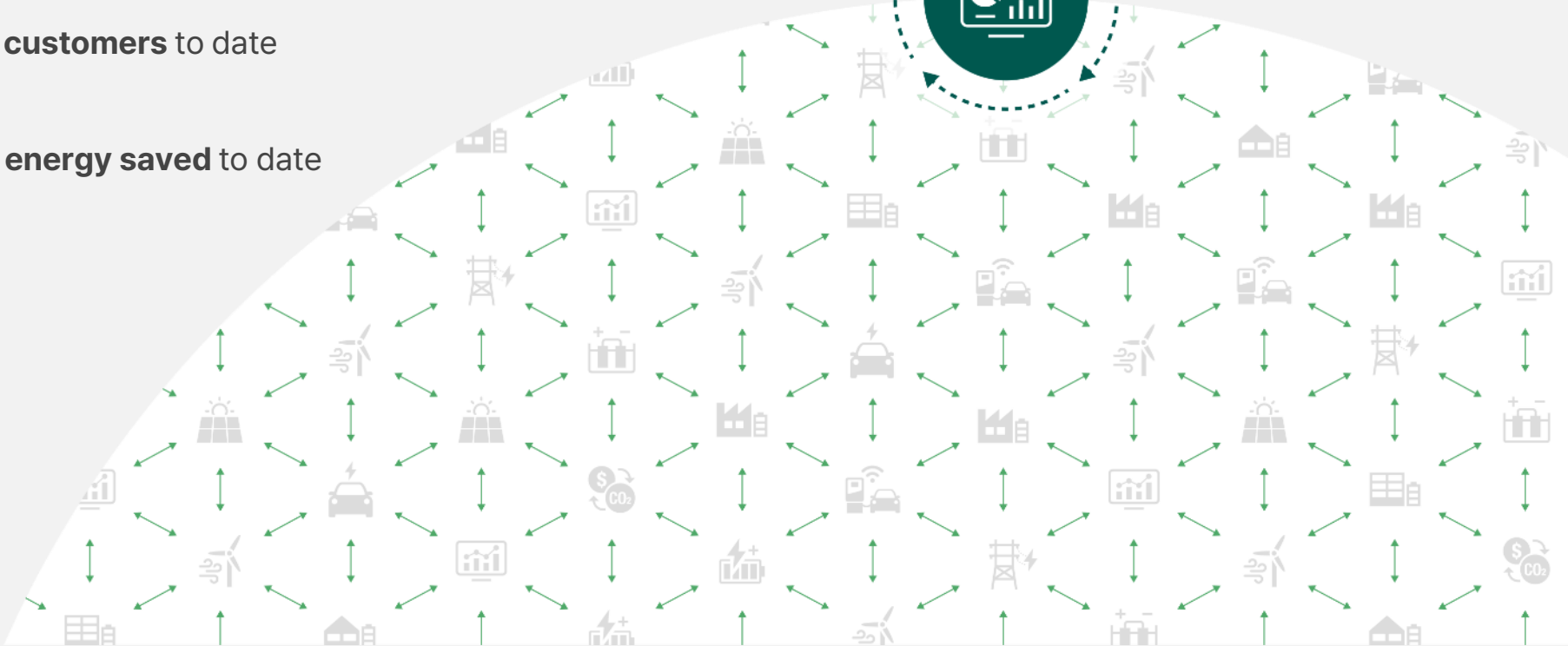


An intelligent platform that aggregates & manages DERs

- Gridwiz aggregates & manages a variety of DER assets with **3GW+** capacity (DR / EV Charging / Energy Storage / Renewable Energy)
- **1700+** B2B customers to date
- **2,035GWh** energy saved to date

Gridwiz



Gridwiz is one of the fastest growing clean energy startups in Korea

Established

2013

Employees

110

GREW members

Customers

1,700+

from the C&I sector

Annual Sales

\$119M

(in 2023)
Consolidated Sales

Offices

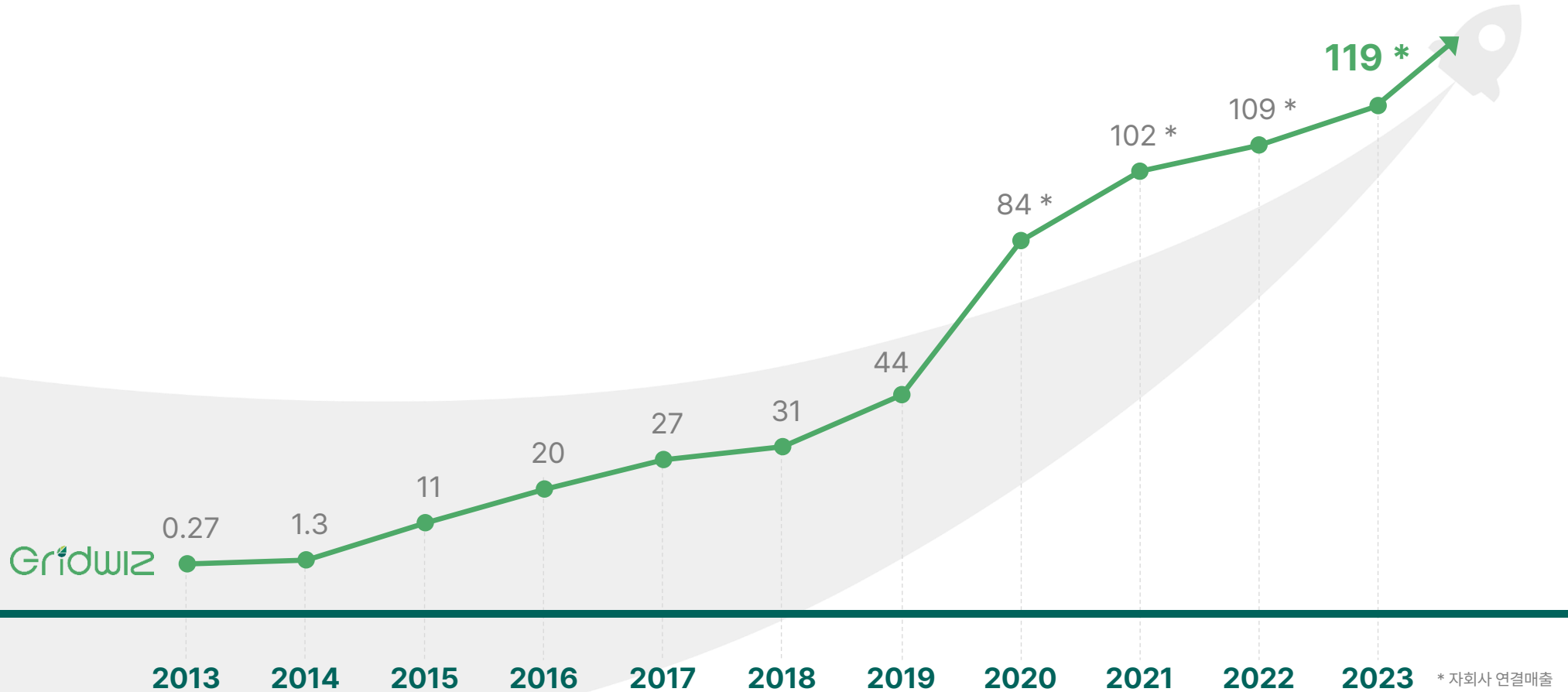
**Pangyo, Korea
Jeju Island, Korea**



Continued revenue growth to **\$119M** in only **10 years** and **IPO in 2024**

Revenue History

Unit : USD, M



Gridwiz's energy services are **field & market-proven**



Demand Response

(Since 2014)

- **#1 DR aggregator** in Korea (**M/S 40%**)
- Total revenue of **\$678M** for **1700+** C&I customers



EV Charging

(Since 2014)

- **First EV-to-Grid service** in Korea
- Supplied **150K+** PLC modems (**M/S global 30%, domestic 90%**)



Energy Storage

(Since 2017)

- Operating **875MWh** energy storage batteries
- Total revenue **\$256M** for customers

(largest size in Korea)

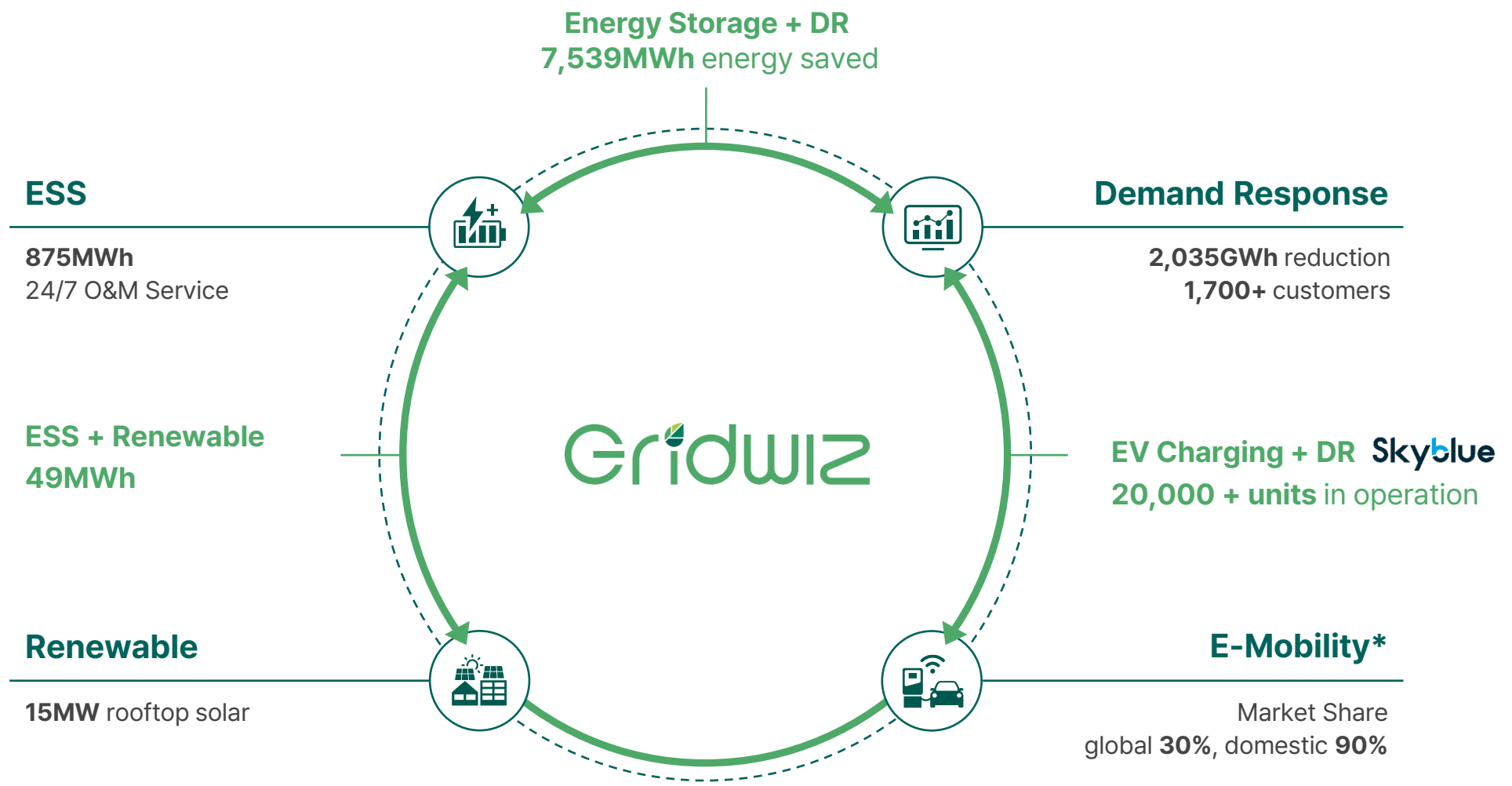


Renewable Energy

(Since 2017)

- Installed & operating **15MW** rooftop solar
- Total revenue of **\$36M** (expected)

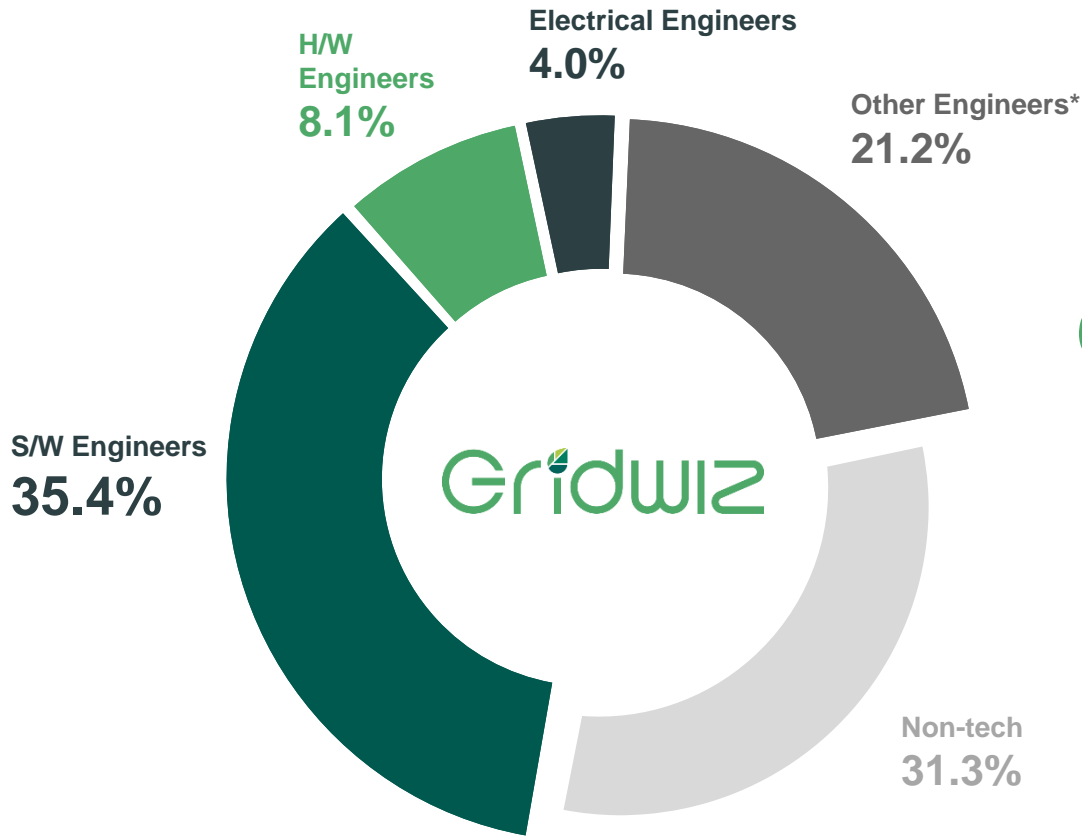
We maximize customer benefits through **integration of different DERs**



Above information is from sources believed to be reliable, but should not be relied upon without verification. assumes no responsibility for its accuracy.

Highly tech-oriented company with **technical & operational agility**

Composition of Gridwiz Staff



67.7% of GRIDWIZ staff members are **technical engineers**

* Technical sales, etc.

Solid customer base that covers a wide range of C&I sectors

1,700+ customers, including 6 of FORTUNE 500 Companies

Customer Retention Rate **99%**

Industrial Sector



Commercial Sector



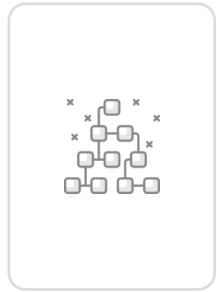
Public Sector



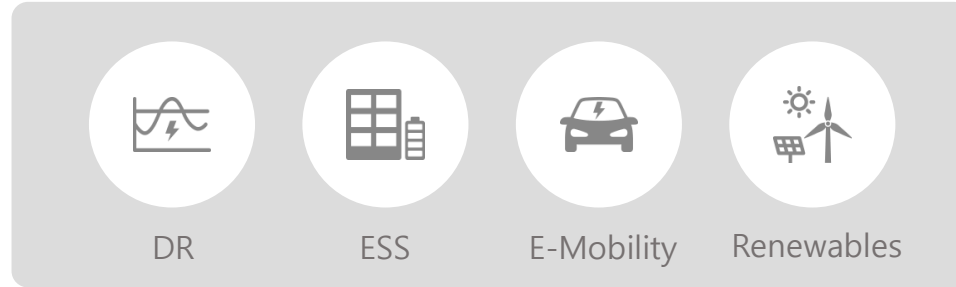
Local Governments



Unlocking new value from energy data through data reprocessing and integration



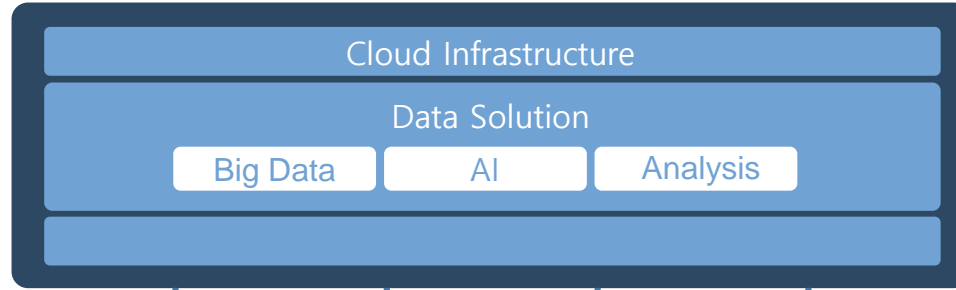
**Data
Collection**



- Power consumption
- Frequency(Hz)
- 1,792 BMS data
- 30 PCS data
- Inverter
- Environmental Sensor data
- EV battery data



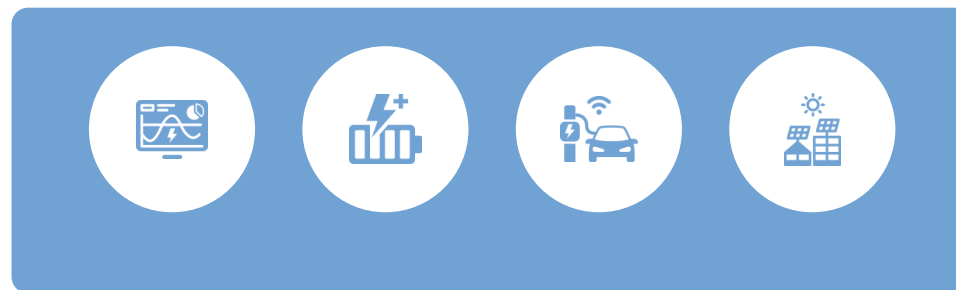
**Data
Reprocessing
Integration**



- Optimal CBL forecast
- Max power forecast
- Optimal bidding capacity recommendation
- ESS real-time operation
- Appropriate battery capacity distribution
- CBL adjustment
- Improve PCS stability
- Power Consumption patterning
- Power generation history reporting
- Real-time monitoring
- Smart charging
- Residential DR Forecast
- Plus-DR automatic bidding



**Unlocking
New Value**



- Reliability/Economic DR
- Fast/Plus DR
- Electricity Bill Optimization
- Peak-cut
- Load balancing
- ESS-DR
- Power Plant O&M
- EV-DR
- Fleet management
- Load balancing
- V2G(Vehicle-to-Grid)

Korea's #1 DR aggregator managing energy use of 1700+ customers

Demand Response Service

Gridwiz acts as a bridge between the energy market and customers by providing customized DR service



Settlement



Reduction



Settlement



Reduction
Monitoring



WHY GRIDWIZ?

- Real-time energy monitoring for higher reduction reliability
- Effective portfolio composition and DR service based on know-hows accumulated from 1700+ customers
- Stable & reliable service based on in-house developed H/W & S/W solutions

- One minute interval power meter (THYME-II)



- Real-time energy monitoring system (PINE) Web/App



Operator of the **largest portfolio** of energy storage batteries in Korea

Energy Storage Solution

Intelligent operation & management
of energy storage batteries
based on real-time energy data and algorithms



Energy Cost Saving

WHY GRIDWIZ?

- End-to-End energy storage solutions covering hardware, software and services

Services

- Consulting**
 - In-depth assessment of energy storage installation to identify the max. benefit for each customer
- EPC**
 - High quality EPC service provided with top-tier partners
- O&M**
 - 24/7 remote monitoring & tailored operation for each customer
- ESS +α**
 - Korea's first DER integration services (DR, renewable energy, etc.)

Software (PMS)

In-house developed PMS with real-time (1-sec) monitoring & control features



Hardware (PCS)

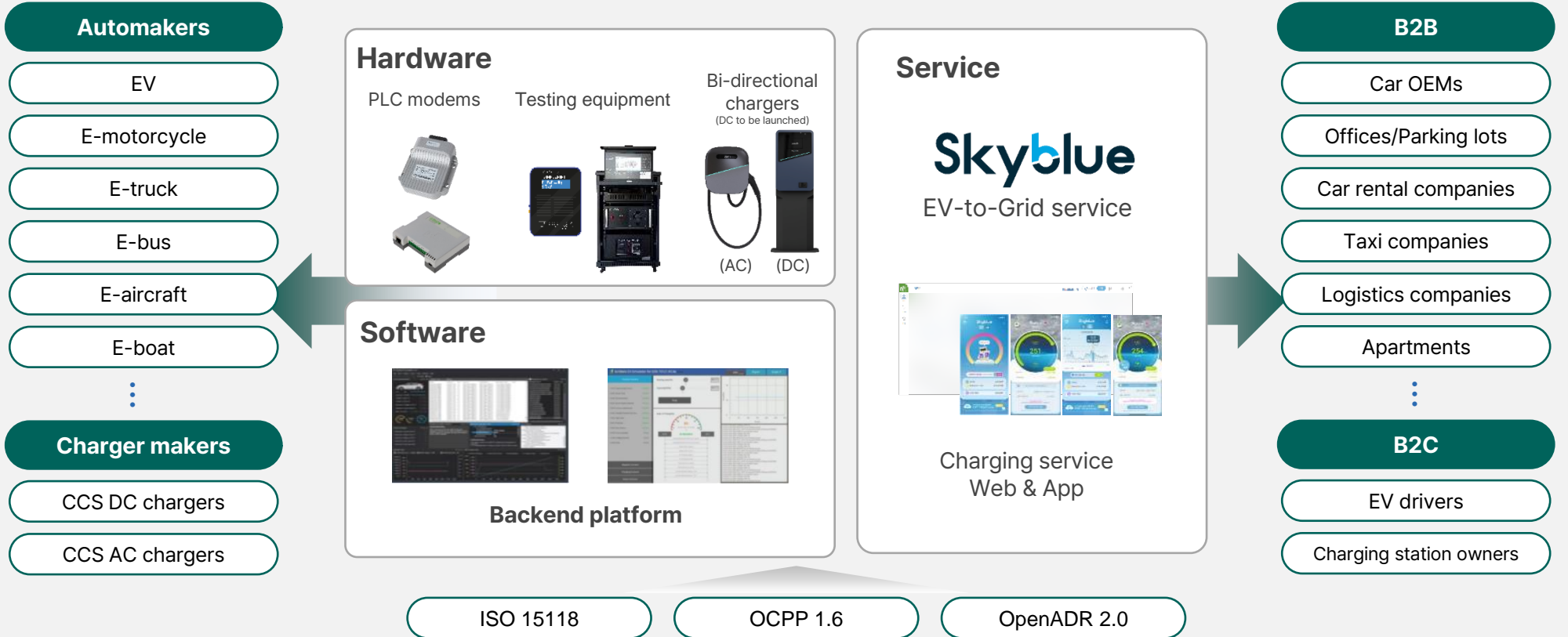
Newly Launched

Safe & Flexible PCS with various applications (peak cut, back-up supply, grid-forming, renewable integration, etc.)



EV Charging ecosystem encompassing H/W-S/W-Service

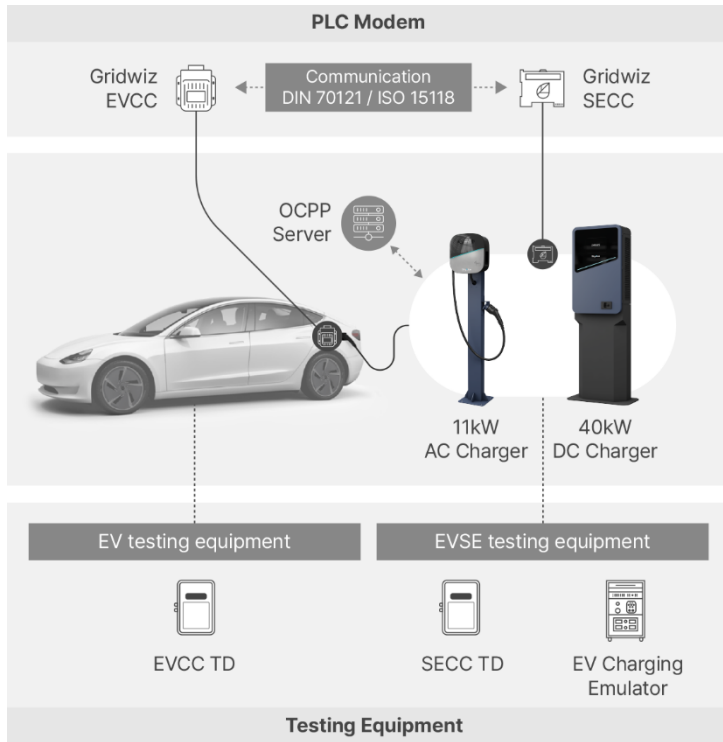
Gridwiz EV Charging Ecosystem



Global market-proven EV charging communication solutions

EV Charging H/W Solution

In-house developed communication solutions essential for EV charging

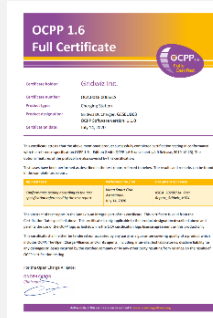


WHY GRIDWIZ?

- Collection real-time data through international standards-based protocols

Open Charge Point Protocol	Collection and analysis of 278 real-time data for smart charging and vehicle-to-grid integration
ISO/IEC 15118	
DIN SPEC 70121	

- Leading the global market with advanced technologies and proven interoperability
- Market Share Global 30%, Domestic 90%



Korea's first EV-to-Grid service, Skyblue

EV-to-Grid Service

Gridwiz aggregates EV batteries and remotely controls EV charging speed to participate in the DR market



Settlement



Market Participation



Settlement



Monitoring Reporting



WHY GRIDWIZ?

- We provide values beyond simple EV charging based on expertise in the energy & e-mobility sectors

Smart Charging	<ul style="list-style-type: none"> Controlling charging time & rate for economic benefits
Regular DR	<ul style="list-style-type: none"> Stop charging or lower charging speed when energy demand is high
Plus DR	<ul style="list-style-type: none"> Absorb excessive renewable energy by charging EV batteries
Bi-Directional Charging	<ul style="list-style-type: none"> Discharging energy stored in EV batteries to home or the grid
Data Analyzing	<ul style="list-style-type: none"> Optimization of energy services through EV charging data analysis
Fleet Management	<ul style="list-style-type: none"> Vehicle management through analysis of mileage and battery stats

To be launched

- Provide stable service with in-house developed H/W & S/W solutions



Skyblue Web / App



Skyblue Charger



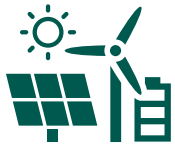
International Standards-based CCS Modem

A-to Z solar PV solution to support customers' clean energy journey



Solar PV Solution

A-to-Z solar PV solution utilizing idle land assets (parking lots, rooftops, etc.)



- ✓ EPC, O&M
- ✓ Load Analysis
- ✓ Generation Forecasting
- ✓ Energy Trading
- ✓ PV + ESS



Generation Business

1. SMP + REC
2. RE100 Direct Trade
3. Trading Market

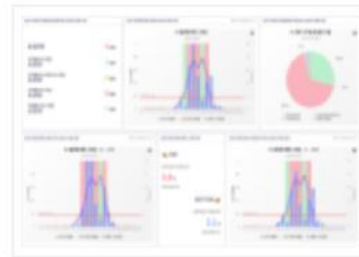
Self-Consumption

1. Energy Cost Saving
2. Sales Profit of Surplus Electricity (PPA, Net Metering)
3. Greenhouse Gas Mitigation

WHY GRIDWIZ?

- Increasing revenue with unmatched proficiency
- Using real-time monitoring systems to optimize power generation
- Creating new revenue streams by taking part in trading market

Renewable Energy Trading System



Energy Trading & Bidding

Plant Management

Forecasting & Optimization

Reports & Analytics

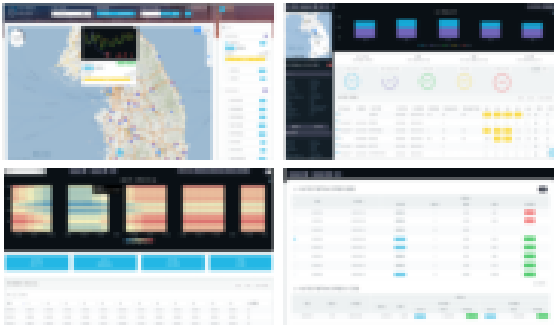


Gridwiz



All-in-one energy platform from demand analysis to power plant management

Demand Response Operate Platform



Load Optimization

Aggregation & Control

Energy Cost Consulting

Reports & Analytics

Grid Analytics

Optimizing Load & Cost

Renewable Energy Trading System



Energy Trading & Bidding

Plant Management

Forecasting & Optimization

Reports & Analytics

DER Trading & Management

Charge Point Operate Platform



Dynamic Load Management

Smart Charging

Billing & Invoicing

Security & Scalability

Reports & Analytics

DR Integration

Optimizing EV Infrastructure

THANK YOU

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