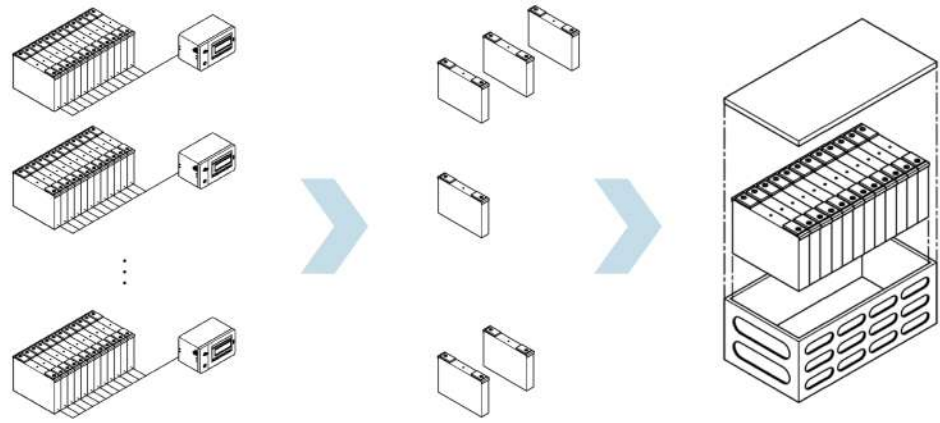


# Battery Renewal Process



1. Cell Checking

2. Cell Balancing

3. Energy Storage System

Type	Intellectual Property	Application Number(YY.MM.DD)	Patent Holder
Patent	Wind Power Generator	10-2021-0109425 10-2552984(23.07.04)	Kieun Jeon
Patent	Generator Control System and Method Based on Climate Prediction Through Artificial Intelligence	10-2021-0172248 (21.12.03)	Kieun Jeon
Patent	Wind Power Generator with Vibration	10-2021-0176751 (21.12.10)	Kieun Jeon
Patent	Small Handy Sea Water Generator Based on Artificial Intelligence	10-2021-0176751 (21.12.10)	Kieun Jeon
Patent	Artificial Intelligence Smart Wind System and Control Method Capable of Predicting Power	10-2022-0087962 (22.07.18)	Kieun Jeon
Patent	A Wind Power Generation Device Equipped with an Artificial Intelligence-Based Automatic Control Device	10-2022-0091657 (22.07.25)	Kieun Jeon
Patent	Small Wind Power Generator	10-2022-0176460 (22.12.16)	TurbineCrew /Kieun Jeon
Patent	Wind Power Forecasting and Monitoring System	10-2023-0085156 (23.06.30)	TurbineCrew /Kieun Jeon, Seungbok Lee, Seonkyeong Lyu
PCT	A Generator Control System and Method Based on Climate Prediction Through Artificial Intelligence	KR2022/010852 (2022.07.25)	Kieun Jeon
PCT	Wind Power Generator	KR2022/011325 (22.08.01)	Kieun Jeon
PCT	Artificial Intelligent Road Surface Icing Risk Determination System, Small Wind Power Generation, and Solar Power-Based Road Heating Power Supply System	KR2022/013067 (22.08.31)	Kieun Jeon

# Application



Smart Pole is a pole which integrates road facilities such as streetlights and combines ICT technologies such as intelligent CCTV, public WiFi, and IoT sensors.

## Advantages of our Smart Pole

- Using Renewable Energy
- Integrated our Efficient Energy Storage System
- Cloud-based Management
- ML-adopted Energy Management
- No Electric Construction Required

turbine crew

Keeps the Earth Sustainable

<https://turbinecrew.co.kr>



# Introduction



# Corporate History

- 2022 2022 K-Maker Star Challenge Encouragement Award  
Jeonnam CCEI IR Preliminary Award  
Mokpo University - Maker Star Award
- 2023 Gwangju Jeonnam Innopolis, IP Stepping Stone Representative and Excellent Company  
IR Competition Encouragement Award  
First place in the GSA AI mock competition  
Gwangju-Jeonnam IT Competition 6th Place  
US Delaware Branch Established  
Submitted to international academic conference  
Python Lecture, 2nd Place at GSA Coding Competition

# Our Service

We produce recycled battery cells and renew waste batteries

- 01 Stackable Battery Cells
- 02 Customisable Energy Storage System
- 03 Battery Renewal Service
- 04 Power Generation Forecasting

# Who We Are

Our teammates consist of Engineers, Ph.D in Rechargeable Battery and Prof. in Electric to lead edge-cutting technologies



**CEO**  
Kieun Jeon

Kolon Global Engineering Team  
Wind Turbine Experience, mainly in Regulatory Affairs



**CTO**  
Seungbok Lee

Ph. D  
Chemical Engineering,  
Chonnam National University



**Director**  
Jung-Hoon Park

Professor  
Department of Applied Artificial Intelligence, Ajou University

# Our Advantages

- Disposal-Free
- Efficient According to Price
- Customisable Design
- ML-adopted Forecasting Model

# Track Records

