

Specializing in
ICT Solutions Company



iot+plus
ICT MANUFACTURING & PRODUCTS

iotPlus Product Catalog

Add value to IOT



iotplus
ICT MANUFACTURING & PRODUCTS

Energy welfare
Construction of Electric Vehicle Charging System in Rural Village

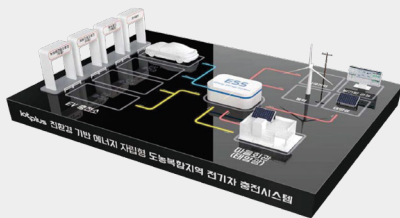
Conservation of the environment
AI-based Smart Base Collection Management System

Closing the Education Gap
Development of AI ICT Learning Devices

Add value to IOT

Together, a collaborative ICT solution specialist company

Energy Welfare



- Electric Vehicle Charging System in Rural Village
- Energy support for the vulnerable
- Energy Efficiency

Conservation of the environment



- Waste Collection Management System Based on AI & Renewable Energy

Resolving the Education Gap



- AI and SW coding learning system

Energy ICT specialized company

2023

- Transfer of a patent from the KOREA SOUTH-EAST POWER CO.
- Approval of regulatory special cases for demonstration (Ministry of Trade, Industry and Energy)
- Promising company in Naju Innovation Cluster
- Iso 14001 & Iso 9001
- Selection of INNOPOLIS in Naju City
- FEMS Project in Naju Agricultural and Industrial Complex
- Investment attraction (Angel Investment Association)
- KEPCO Trusted Partner

2022

- Transfer of a patent from the Korea Institute of Energy Technology
- Completed Start-up package business (Ministry of SMEs and Startups)
- Development of Smart Education System Using Edutech
- Completed start-up growth technology development project (Ministry of SMEs and Startups)
- Investment attraction (Jeonnam Startup Technology Holdings)
- Launched Electric Vehicle Charging System in the Energy-Self-Reliant Rural Village
- Investment attraction (Jeonnam Creative Economy Innovation Center)
- Development of Waste Collection Management System Based on AI & Renewable Energy (Dong-gu Office, Gwangju Metropolitan City)
- Certification of research institute enterprise (Ministry of Science and ICT)

2021

- Enterprise-affiliated research institute
- The certification of Excellent Technology Evaluation Company (issued by 'NICE Information Co., Ltd.', T-4)
- MOU with Dongshin University
- Certificate of Venture Business
- R&D to solve community problems
- MOU with Korea Institute of Industrial Science and Technology
- MOU with KEPCO
- Transfer of a patent from the KEPCO

2020

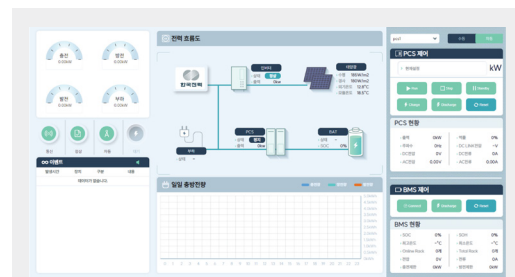
- Establishment of IOTplus Corporation

Hi-1015

Hybrid Inverter (with Safety and Convenience)



Screen of Inverter



Screen of EMS

- Stores renewable energy(Photovoltaic Power & Wind Power) and grid power in ESS(Energy Storage System) and use it.



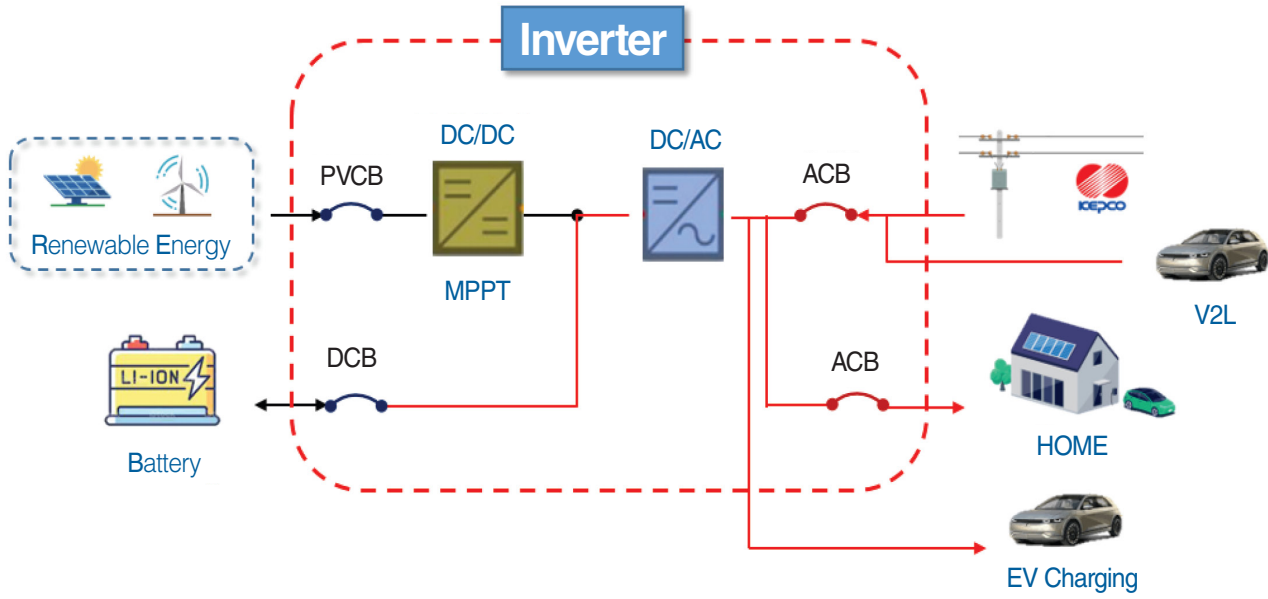
Wireless Temperature & Humidity Safety Sensor

- Power-free wireless temperature & humidity sensor using Energy Harvesting technology
- Prevents fire incidents due to overheating and electrical explosion accidents caused by droplets
- Real-time monitoring and alerts messages



Smart Electrical Safety Switch

- Automatically cuts off power in the event of overheating or leakage
- Real-time monitoring and control the On/Off status remotely
- Power control with IOT switch
- Prevention of electrical accidents



Configuration

- PCS(Power Conversion System)
- ESS(Energy Storage System)
- PMS(Power Management System)
- EMS(Energy Management System)
- V2L(Vehicle to Load) function
- Safety Sensor & Safety Switch

Effect

- 88% or more efficient Roundtrip with built-in battery → Reduce operating costs
- Possible to reduce costs by the system and renewable energy with high efficiency
- Fire prevention with real-time monitoring (temperature & humidity)

Application V2L(Vehicle to Load)

- V2L(Vehicle to Load) function for emergency power
 - Receive electric power from electric vehicles

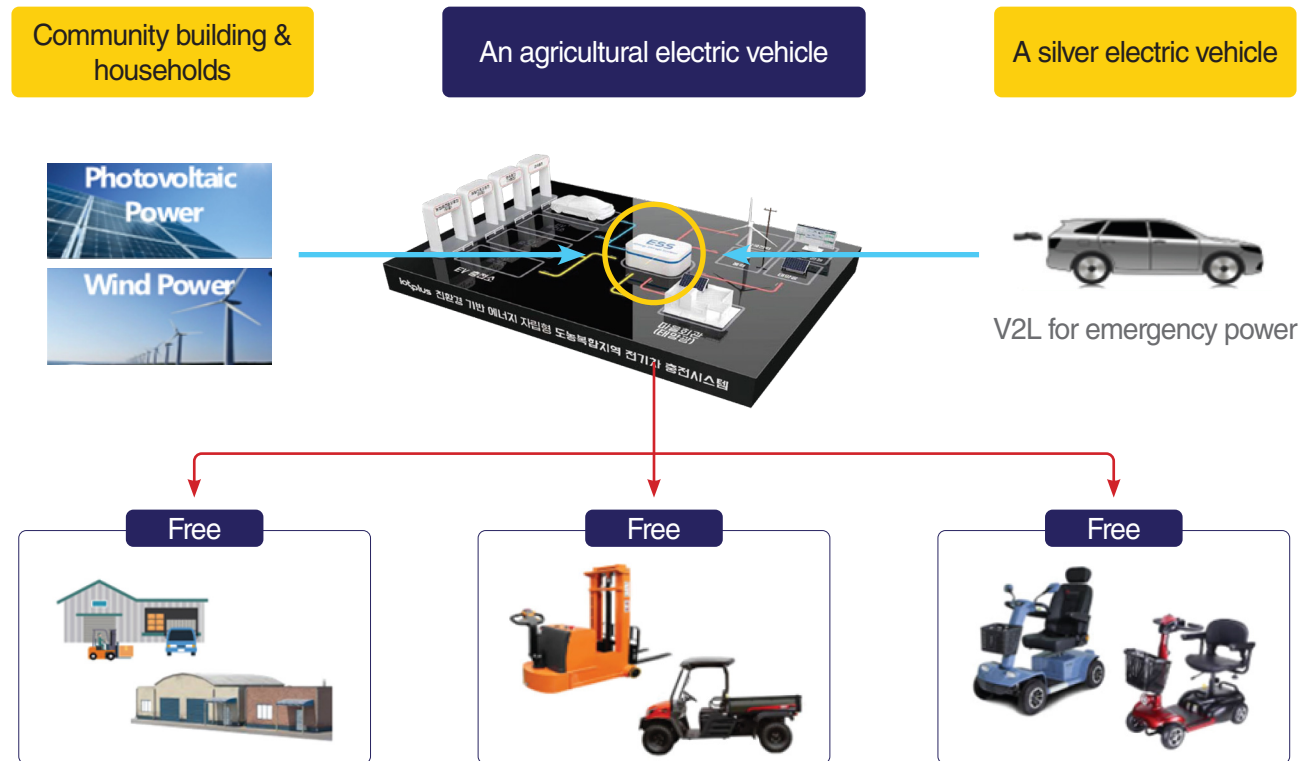


Safety management

- Real-time monitoring and **control the on/off status remotely** → Prevention of electrical accidents



Energy Welfare System



- Stores renewable energy(Photovoltaic Power & Wind Power) and grid power in ESS to use electricity freely
- Photovoltaic power & Wind power & Grid power
- Hybrid Inverter with ESS(Energy Storage System)
- Free electricity usage in households and Community building
- Free charging for electric vehicles
- Free charging for E-mobility
- V2L for emergency power

Eco-friendly Smart Collection Box



Configuration

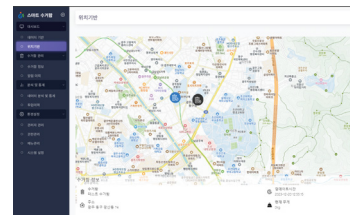
- Artificial intelligence reading
- Solar panels
- Power bank
- Waste Load Sensor
- Removal of odor (UV lamp)
- ESS(Energy Storage System)
- Operational Solutions

- A system that recognizes standard plastic bags through AI and collects only certified standard bags



Detection System (AI)

- Artificial intelligence specification bag reading
- Control the opening and closing of the collection box
- Linked with beacons for collection vehicles
- Provide various input methods (AI, QR)



Smart Collection Box Integrated Control System



Envelope recognition

- Learned AI Read a standard plastic garbage bag



QR code recognition

- In the event of an artificial intelligence error



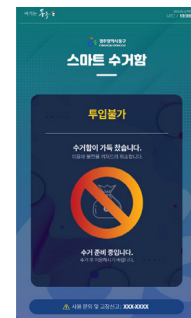
Put trash bag

- Input of recognized standard plastic garbage bag



Collection box closed after input completion

- Collection box closed after input



Notification of no discharge

- a Guidance comments prohibiting discharge when the collection box is full

CO:DEEP



- Using practical AI and software coding learning systems, you can do it yourself from hands-on learning to writing code yourself.

Block Coding



Learning Basic Block Coding



AI Coding Using Scratch

Command Coding



Learning Command Coding



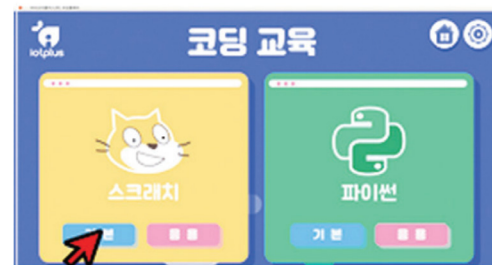
AI Coding with Python

Select by level,

From foundation to application level

From block coding to application level

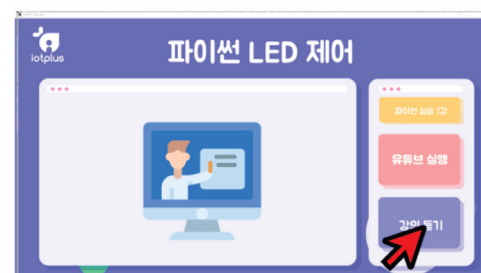
Beginner – Scratch



For first-time coding

Learning the basic principles of coding, basic concepts, operation principles, and block coding to gain experience in coding, understand algorithms, and acquire basic knowledge to advance to advanced levels.

Middle-level – Python

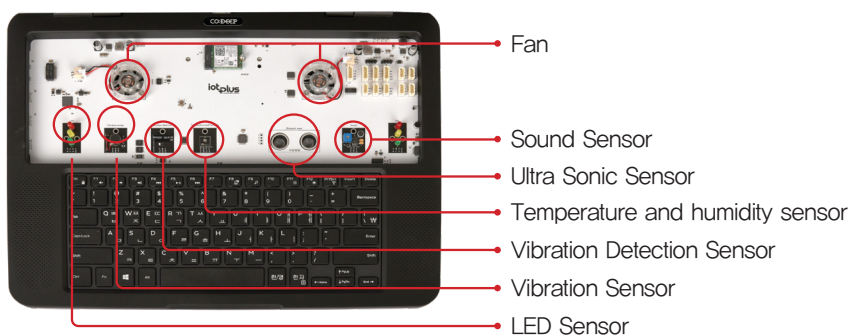


For person who wants to do actual coding

Self-directed learning is possible through detailed annotation of code, and knowledge is acquired by acquiring coding used for actual SW development through instruction coding to move toward advanced (AI) coding learning.

IOT Sensor Configuration

By directly controlling the IoT sensor through seven sensors, intuitive coding learning is possible by checking whether it works or not



Product List



Hybrid Inverter Hi1015

Provides renewable energy generation and energy storage capabilities in one system



Energy Harvesting Wireless Temperature and Humidity Diagnostic Device

Automatic power On/Off is enabled through real-time monitoring



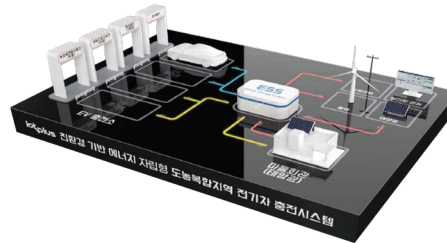
Smart Safety Switch

Automatic power On/Off is enabled through real-time monitoring



Smart Garbage Collection Box

It is a system that collects only certified standard bags by determining whether they are standard bags through AI



Energy welfare system

A system that provides free electricity by storing renewable energy (Photovoltaic & Wind Power) and grid power in the ESS included in the Hybrid Inverter (HI-1015)



CO:DEEP

All-in-one system that allows you to write code directly through AI SW coding learning and perform nose-level coding and advanced coding on your own



Dedicated charging box for CO:DEEP

Charging box that can charge multiple CO:DEEP at the same time.

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Patent certificate



Patent certificate



Patent certificate



Patent certificate



Patent certificate



Design patent certificate



KEPCO Partnership Certification



ISO-14001



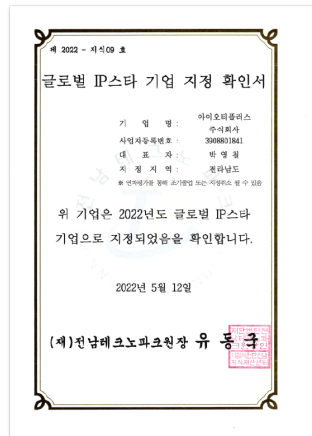
ISO-9001



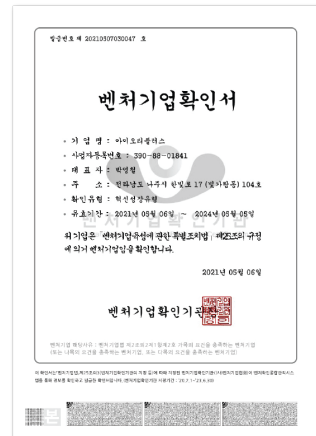
Certification of Small and Medium Enterprises for Human Resources Development



Laboratory company certification



Global IP Star Company Certification



Venture Business Certification

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