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M45D / M45 / S25  
**Cable Reels**



# Who We Are

**AEME GSE is a global pioneer in aviation Ground Support Equipment (GSE), driving the green transformation of airports with innovative energy solutions.**

With over 20 years of expertise in power electronics technologies, we offer a comprehensive portfolio of GSE products—including eGPUs, solid state power units, energy management systems, and cable reels.

Our solutions are widely deployed at major civil airports in the Asia-Pacific and are rapidly expanding into global markets.

From independent R&D and intelligent manufacturing to a global service network, AEME delivers scalable, reliable, and adaptable green airport solutions tailored to diverse operational needs.

**20+** Years

Of expertise in power industry

**2.6+** Million tons

Carbon Emissions Reduced

**95,000** m<sup>2</sup>

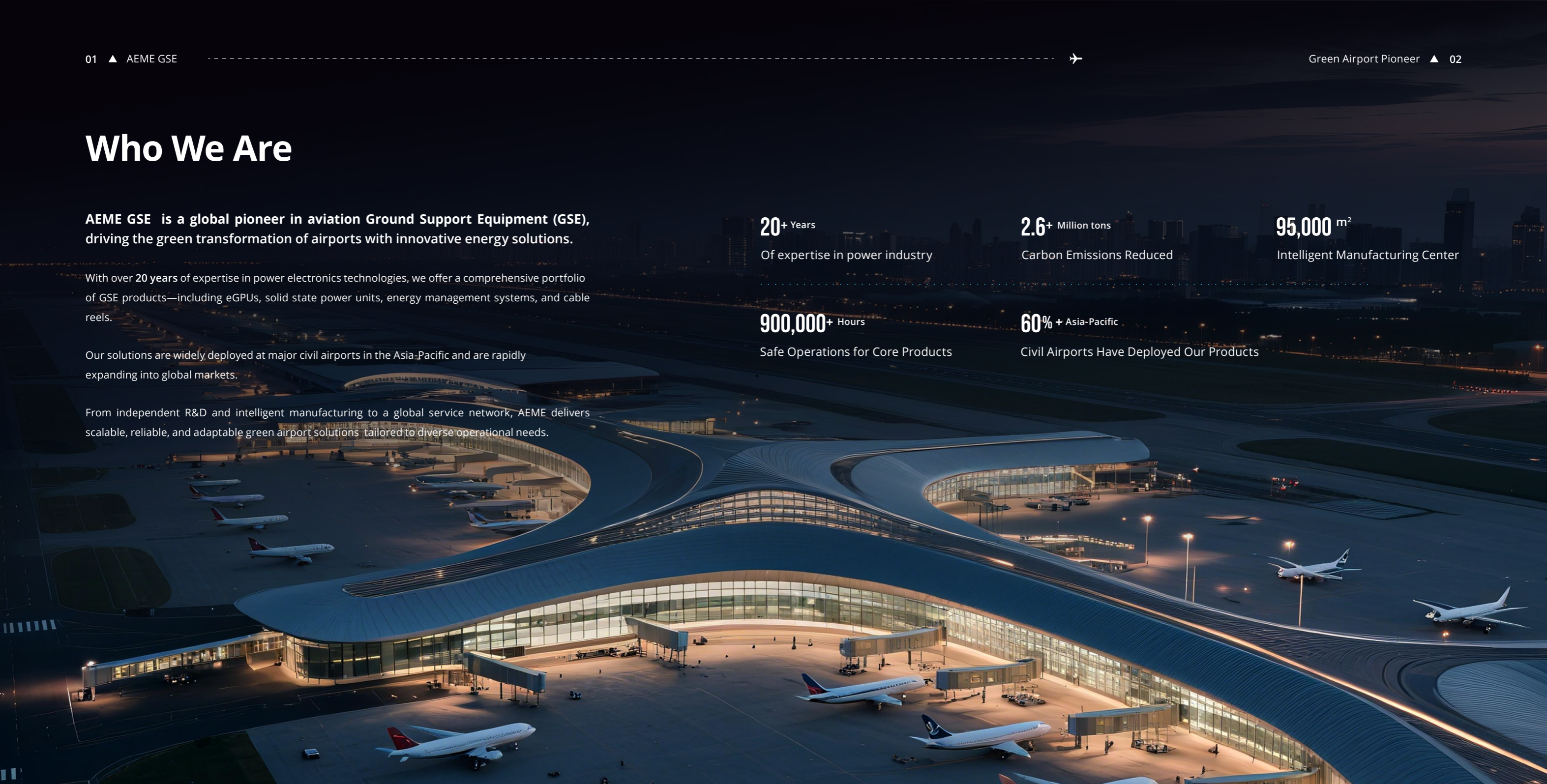
Intelligent Manufacturing Center

**900,000+** Hours

Safe Operations for Core Products

**60%+** Asia-Pacific

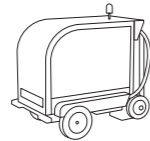
Civil Airports Have Deployed Our Products



## Cable Winding Made Easy for Ground Power Systems

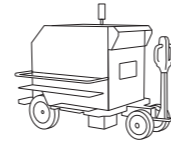
### M45D AGPW-A-45-M Motorized Cable Reel

- Double Drum
- Max. 45-Meter Cable
- Motorized Chassis



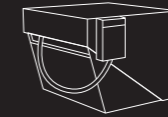
### M45 AGPW-A-45-M Motorized Cable Reel

- Single Drum
- Max. 45-Meter Cable
- Motorized Chassis



### S25 AGPW-A-25-F Cable Reel 25

- 25-Meter Cable
- Variable Frequency Drive for Smooth Operation



As part of our GSE portfolio, the motorized cable reel can be connected to a ground power unit and supplies power to the aircraft through a cable of up to 45 meters, improving efficiency. Automatic deployment and retrieval of 400 Hz cables makes the cable reel easy to use and reduces manual labor.



#### Easy M&O

The motorized system reduces manual labor and improves work efficiency.



#### Automatic Protection

Full-process monitoring during cable retraction and deployment ensures automatic system protection.



#### Limit Protection

Built-in limit sensor prevents over-retraction or over-extension of the cable.



#### Slip Ring for Durability

Slip-ring technology ensures reliable, durable performance in demanding airport operations.

# Energy Storage-Based APU Alternative Solution

This solution leverages smart energy management as the core to coordinate power distribution. By fully utilizing power resources and energy storage systems, it enables an optimized energy use that achieves APU replacement and meets the power demand of green energy loads.

## Cost-Effective



Without capacity upgrade, requires 1/6 the capacity of traditional power system

## Highly Compatible and Scalable



Seamless power supply during grid interruptions

## Key Products



Cable Reel



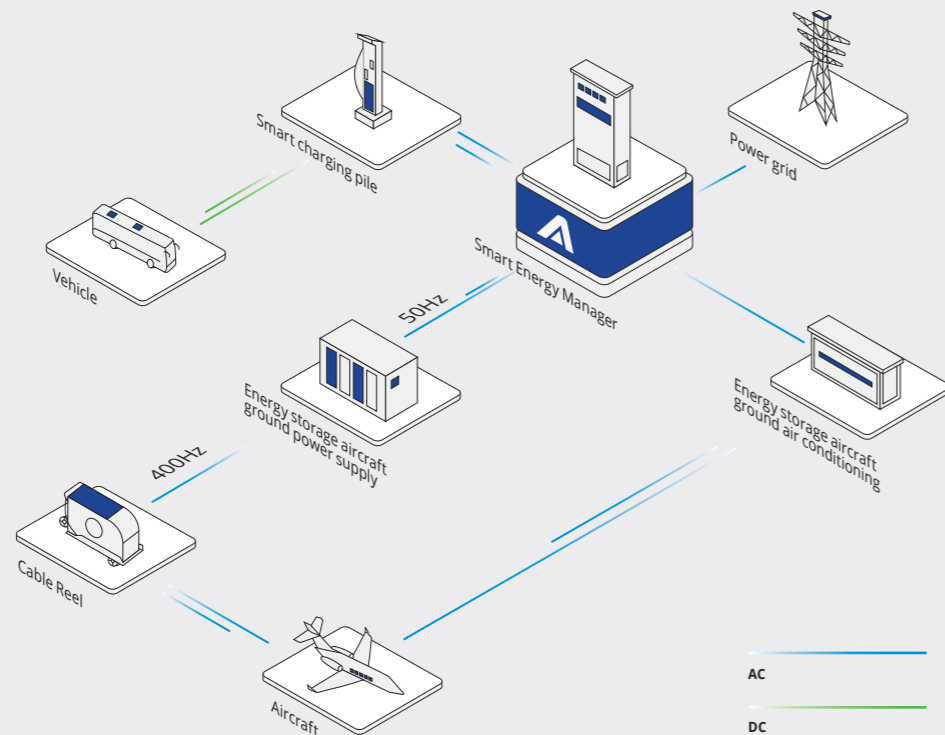
Energy Management System



Charging Pile



Ground Power Supply



# PV-Energy Storage Aircraft Ground Power Solution

The solar-storage-ground power solution is developed based on airport power characteristics and the conditions for airport solar PV installation. By integrating solar power, energy storage systems, and ground power units, it creates a highly efficient, zero-emission green airport solution.

## Intelligent Control



Intelligent management of PV systems to optimize power supply to ground power units, charging piles, and related equipment.

## Stable Power Supply



Addresses limited power and high expansion costs. Combines storage and solar power to improve energy utilization and efficiency.

## Key Products



Cable Reel



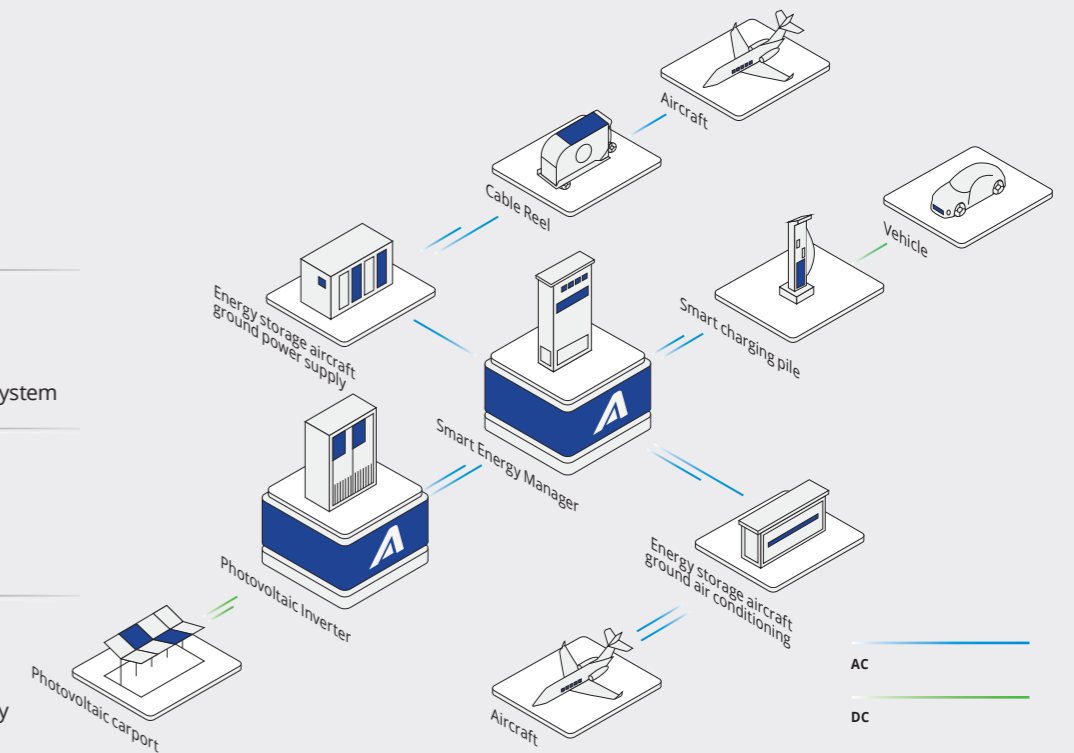
Energy Management System



Charging Pile



Ground Power Supply



Product	M45	M45D	S25
Product Model	AGPW-A-45-M	AGPW-A-45-M	AGPW-A-25-F
Rated voltage	48Vdc	220V	380V
Rated frequency		50Hz	
Connection mode		L+N	3P+N+PE
<b>Protect</b>			
Take-up terminal limit protection		Available	
Pay-off terminal limit protection		Available	
400Hz plug insertion interlock protection		Available	
Overcurrent protection		Available	
Overvoltage protection		Available	
Overload protection		Available	
<b>Environment</b>			
Operating temperature		-20°C~55°C	
Relative humidity		10%-100% (no condensation)	
<b>Structure</b>			
Dimensions(mm)	1500*1030*1580	1700*1030*1450	1050*1000*800
Weight	580 kg	650 kg	375 kg
<b>Other</b>			
Protection degree		IP54	



Shenzhen Bao'an International Airport



West Air



Chengdu Tianfu International Airport



Chengdu Shuangliu International Airport



Hangzhou International Airport



Nanchang International Airport



Nanchang International Airport



Chongqing Jiangbei International Airport



West Air



Chongqing Jiangbei International Airport



Sanya Phoenix International Airport



Shijiazhuang International Airport



Beijing Capital International Airport



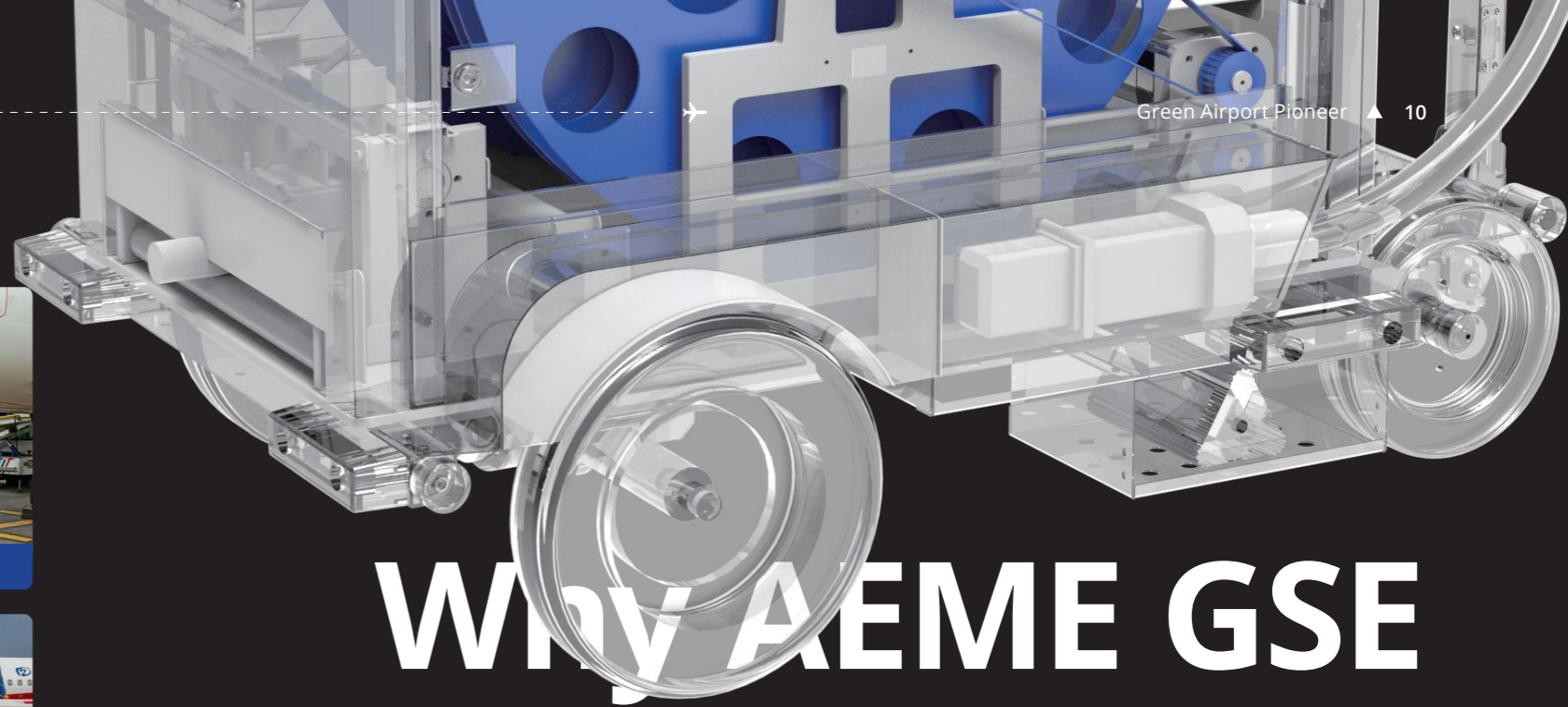
Hangzhou International Airport



Chongqing Jiangbei International Airport



Dalian International Airport



# WHY AEME GSE

## Technical Innovation



Leveraging advanced technology, AEME leads in green energy storage R&D. Our innovative aircraft ground power supply, ultra-silent modular PCS, and all-in-one systems are widely recognized by the market.

## Customer Support



We provide one-stop solutions with proven capabilities in R&D, manufacturing, quality control, and delivery, offering complete support from design to installation and commissioning.

## Quality Control



AEME adheres to "quality-first" philosophy. Our team ensures every product meets the highest industry standards.

## Delivery Capability



Customer-centric and execution-driven, AEME offers standardized project delivery and O&M systems, ensuring high quality and efficiency from start to finish.