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AEMEGSE  
**M45D**  
Motorized Cable Reel

M45D / C28

# Cable Reels

# Who We Are

**AEME GSE is a global pioneer in aviation ground support equipment, supporting the green transformation of airports through practical and innovative energy solutions.**

Backed by more than 20 years of expertise in power electronics technology, we offer a comprehensive portfolio that includes eGPUs, solid-state power units, energy management systems, and cable reels.

Our solutions have been widely deployed at major civil airports across the Asia-Pacific region and are now rapidly expanding into global markets.

**20+** Years

Of expertise in power industry

**7.3+** Million tons

Carbon Emissions Reduced

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

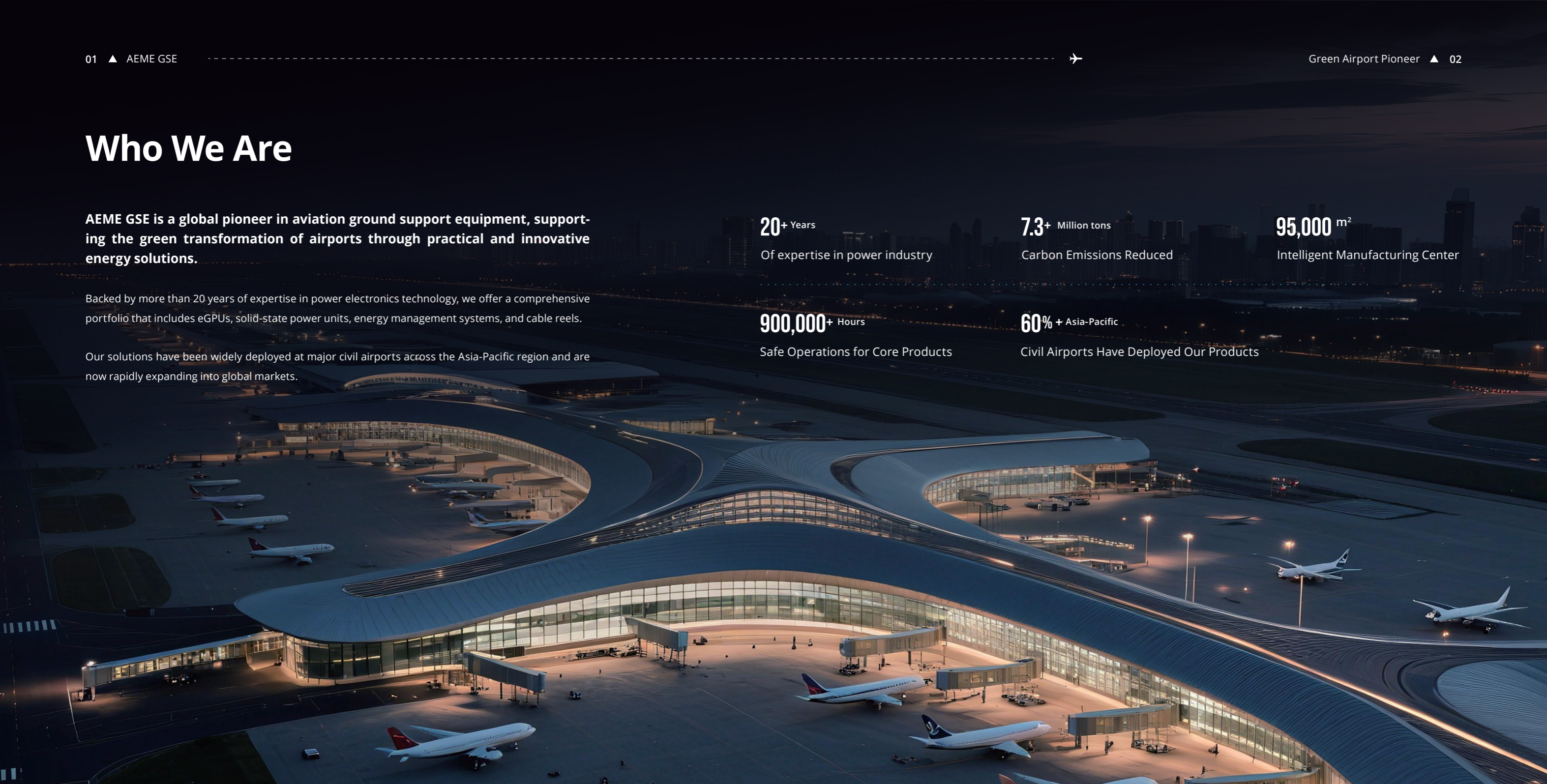
Intelligent Manufacturing Center

**900,000+** Hours

Safe Operations for Core Products

**60%+** Asia-Pacific

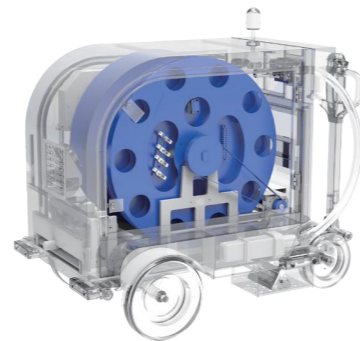
Civil Airports Have Deployed Our Products



# Cable Winding Made Easy for Ground Power Systems

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

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

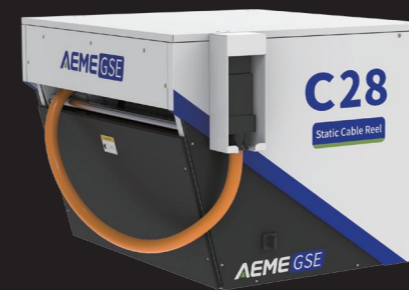
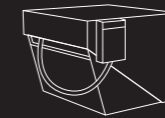


As part of our GSE portfolio, the motorized cable reel can be connected to a ground power unit and delivers power to the aircraft via an output cable of up to 45 meters.

It enables automatic deployment and retraction of 400 Hz cables, with speed synchronised to the electric chassis while in motion. This ensures flexible and safe cable management and stable power delivery, significantly reducing manual labour.

## C28 AGPW-A-28-F Cable Reel 28

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



### Easy O&M

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



Supports deployment across multiple scenarios

## Key Products



Cable Reel



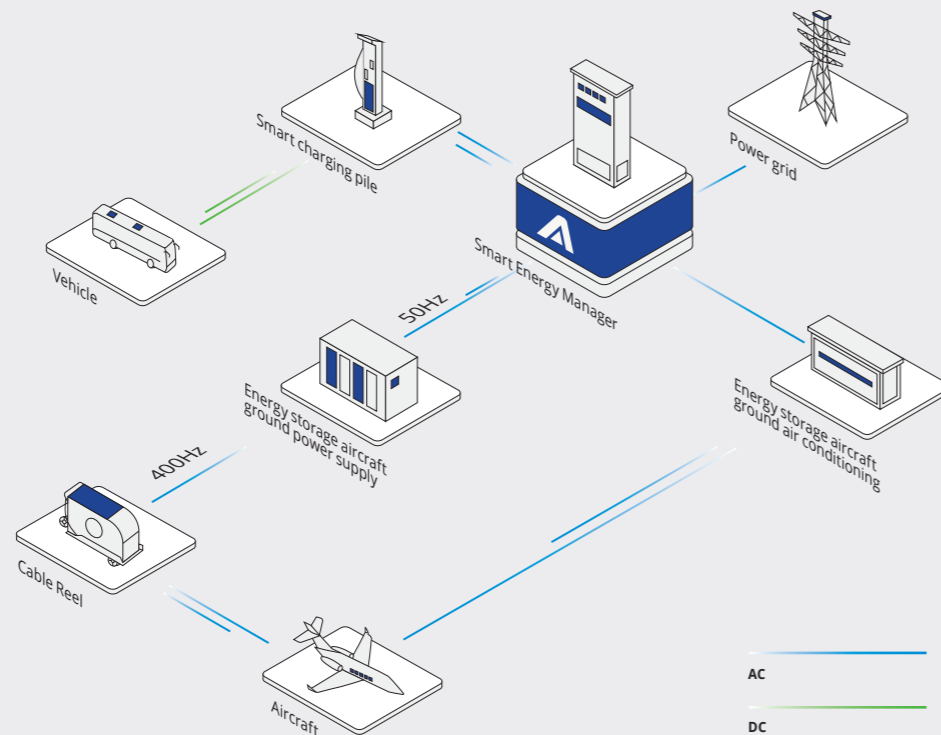
Energy Management System



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



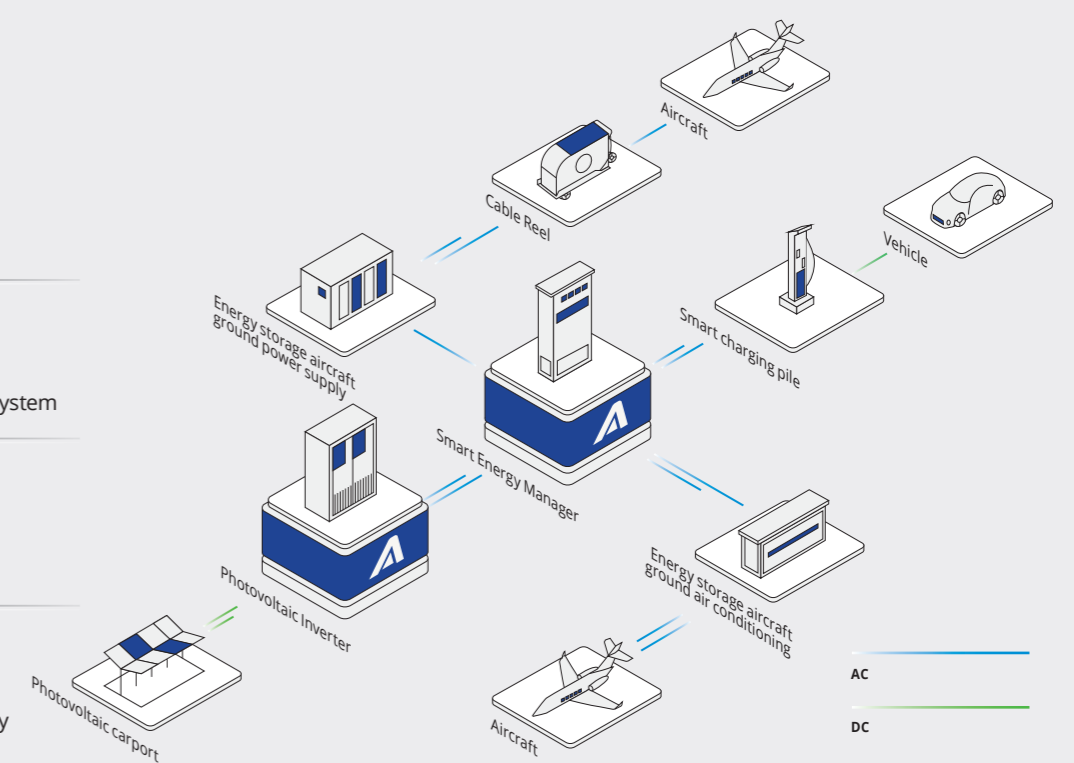
Energy Management System



Charging Pile



Ground Power Supply

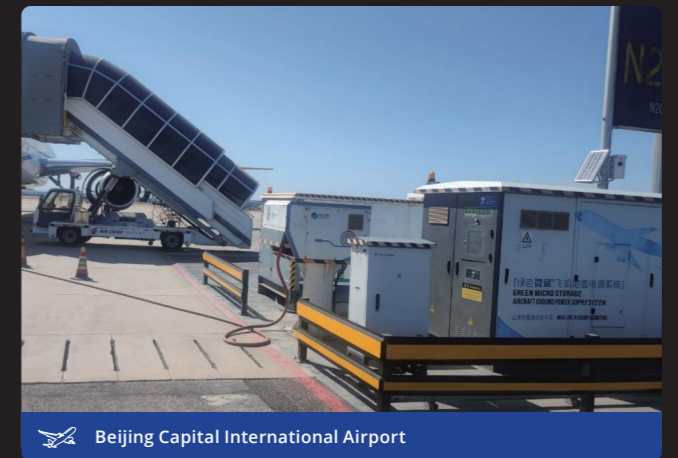


Product	M45D	C28
Product Model	AGPW-A-45-M	AGPW-A-28-F
Rated voltage	230V	400V
Rated frequency	50/60Hz	
Connection mode	L+N+PE	3P+PE
<b>Protect</b>		
Retraction limit protection	Available	
Release limit protection	Available	
400Hz plug insertion interlock protection	Available	
Overcurrent protection	Available	
Overvoltage protection	Available	
Overload protection	Available	
<b>Environment</b>		
Operating temperature	-30°C~56°C	-40°C~56°C
Relative humidity	10%-100% (no condensation)	
<b>Structure</b>		
Dimensions	1700mmx1030mmx1450mm	1050mmx1000mmx800mm
Weight	650 kg	410 kg
Cable	45m	28m(25m optional)
<b>Other</b>		
Protection degree	IP55 (electronic section)	

\*Note: The above specifications are obtained under specific test conditions. Actual performance may vary depending on operating environment. Specifications are subject to change without prior notice.



Hainan Airlines



Beijing Capital International Airport



Shenzhen Bao'an International Airport



Capital Airlines



Sanya Phoenix International Airport



Larnaca, Cyprus



Incheon, South Korea



Sichuan Tianfu International Airport



Chengdu Shuangliu International Airport



China Eastern Airlines



Hohhot Shengle International Airport



Hangzhou International Airport



Lijiang International Airport



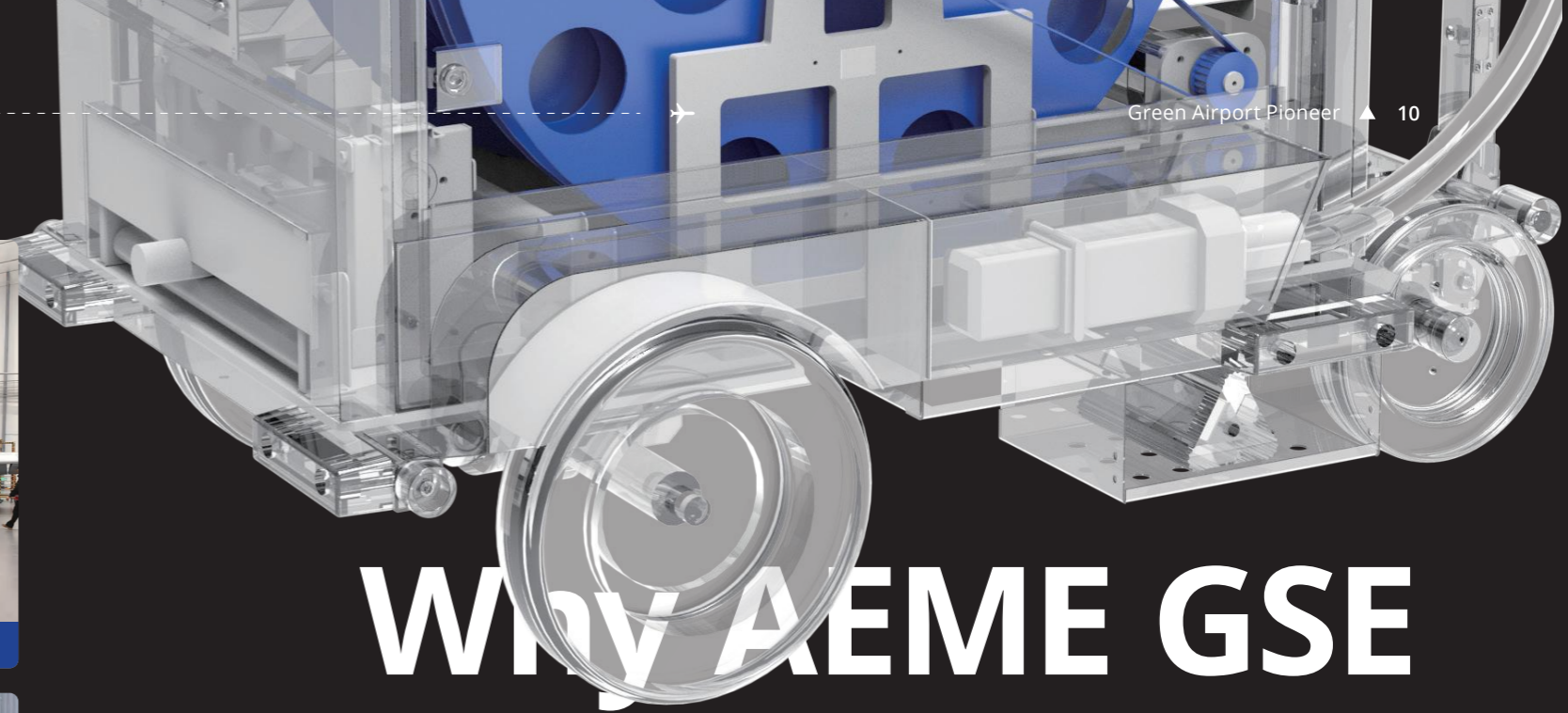
Hangzhou International Airport



Chengdu Shuangliu 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.