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Management Systems

Power Manager / Microgrid Controller



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 m²

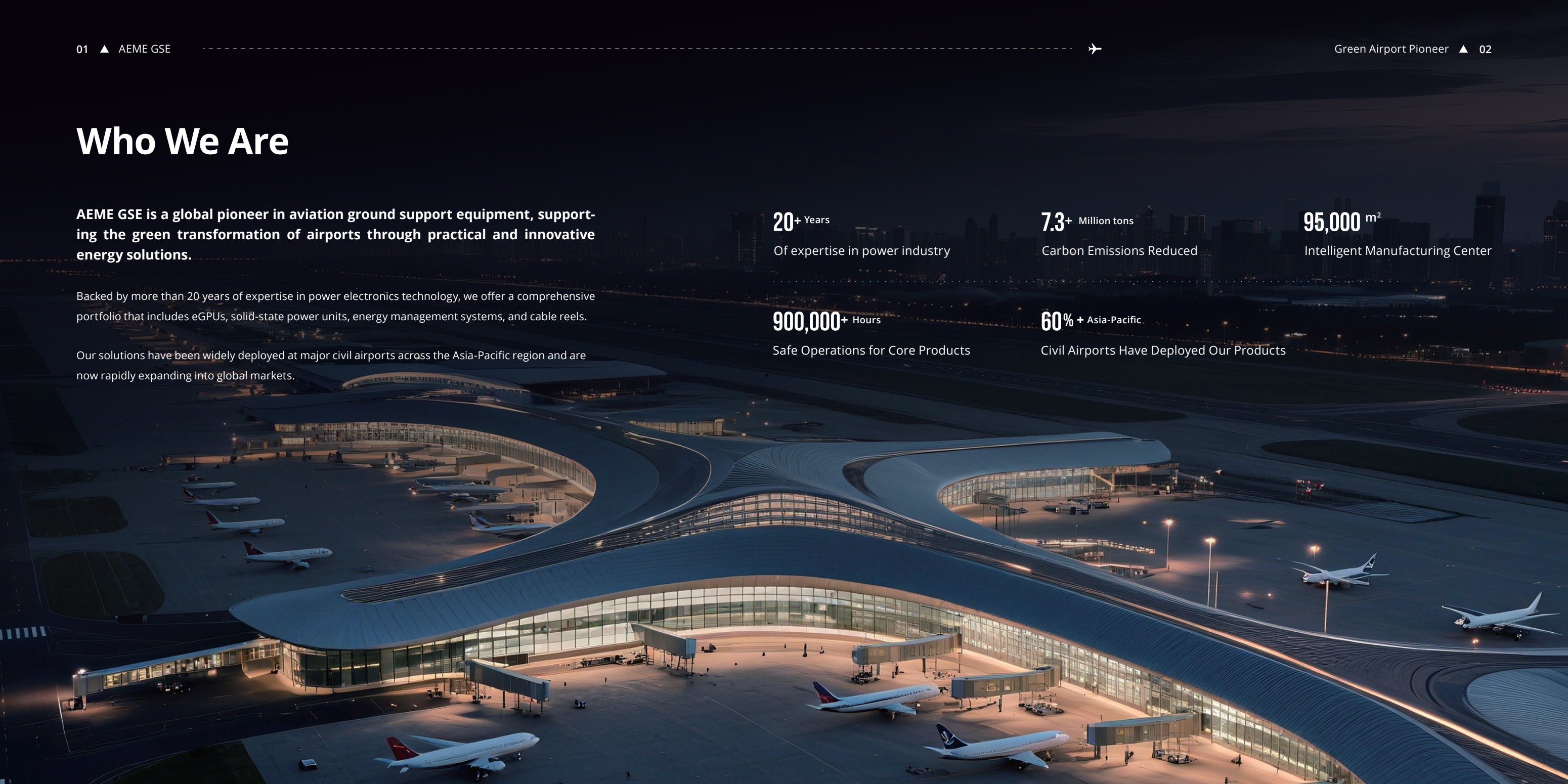
Intelligent Manufacturing Center

900,000+ Hours

Safe Operations for Core Products

60%+ Asia-Pacific

Civil Airports Have Deployed Our Products



Power Manager

EMS-A-SPAC

Applied in civil airports, this system serves as an energy management hub that coordinates and manages photovoltaic systems, charging piles, power supplies, and air conditioners. It enables automated energy management and optimizes overall energy efficiency.



4-Channel Management



Supports up to four-channel intelligent control

Compact and Lightweight



Compact design with minimal footprint
Simple and quick installation

Smart Energy Coordination



Smart management across PV systems, energy storage units, air conditioner, and charging stations

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



No need for power capacity expansion, requires 1/6 the capacity of traditional power systems

Highly compatible and scalable



Supports deployment across multiple scenarios

Key Products



Cable Reel



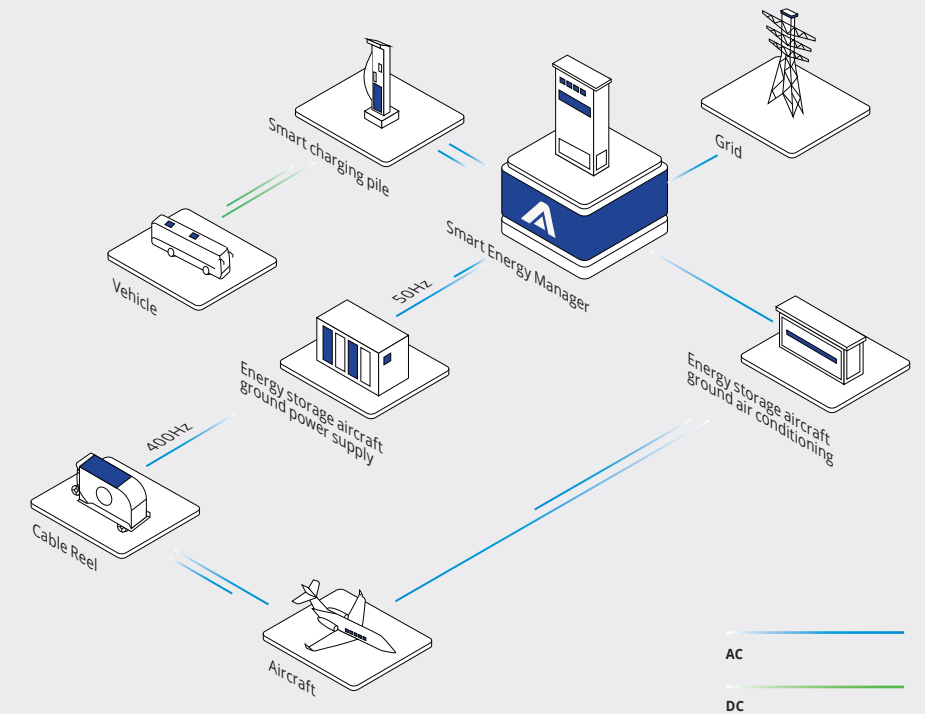
Energy Management System



Charging Pile



Ground Power Supply



AC

DC

Microgrid Controller

MS-A-MG



The intelligent energy management system coordinates both grid and energy storage system to optimize overall power scheduling. By minimizing grid power dependency and ensuring sufficient power supply, it effectively resolves constraints caused by limited grid input capacity.

Real-Time Monitoring



Cloud-based data management enables real-time monitoring

Efficient Dispatch Strategy



Optimized energy management to address regional energy imbalances

Easy Installation



Compact design enables fast and flexible installation

Microgrid Solution

The solution enables microgrid control for efficient energy scheduling on the apron, smart management of electricity consumption across the airport, and reduces energy waste.

Information Collection



Collects data from the energy manager and performs intelligent analysis and control.

Intelligent Control



Enables precise management of ground power units, air conditioning, lighting, charging stations, and other electrical loads.

Key Products



Charging Pile



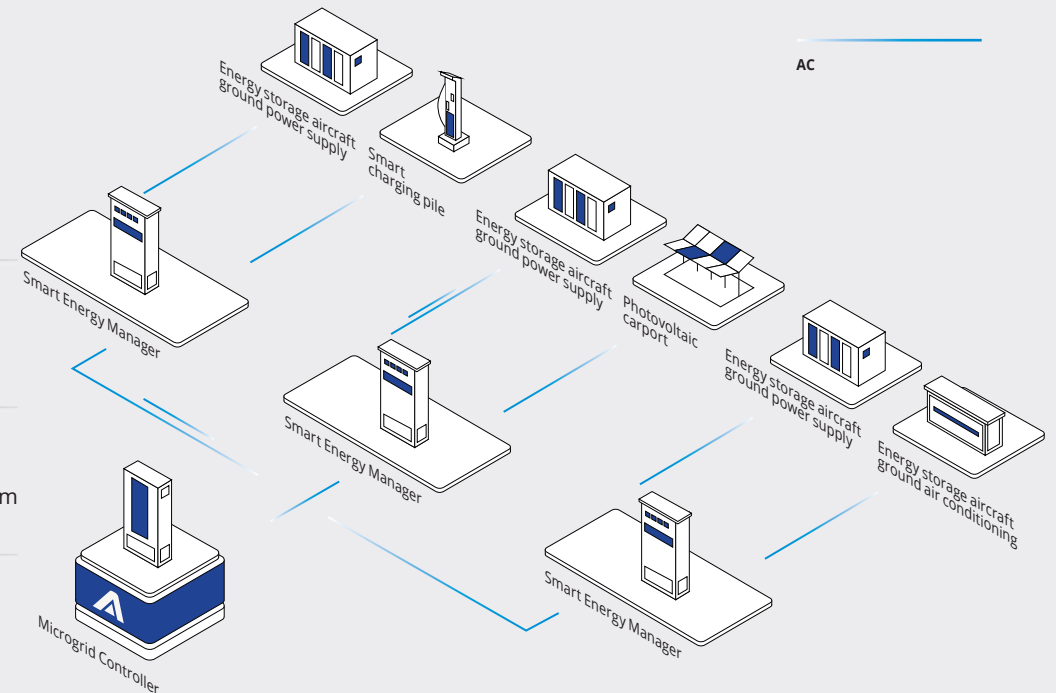
Microgrid Controller



Energy Management System



Ground Power Supply



Product	Power Manager
Product Model	EMS-A-SPAC
Rated input voltage	3x400V±15%
Rated input frequency	50/60Hz±5Hz
Total rated power	150kW
Operating temperature	-40°C-56°C
Storage temperature	-40°C-60°C
Relative humidity	10%-100% (no condensation)
Noise level	<60dB
Altitude	≤2000m
Protection degree	IP55
Installation method	Floor mounted
Size	<700mmx400mmx1440mm
Weight	90kg

Product	Microgrid Controller
Product Model	MS-A-MG
Rated input voltage	3x400V±15%
Rated input frequency	50/60Hz±5Hz
Operating temperature	-40°C-56°C
Storage temperature	-40°C-60°C
Relative humidity	10%-100% (no condensation)
Noise level	<60dB
Altitude	≤2000m
Protection degree	IP55
Installation method	Floor mounted
Size	<600mmx600mmx1700mm
Weight	100kg



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



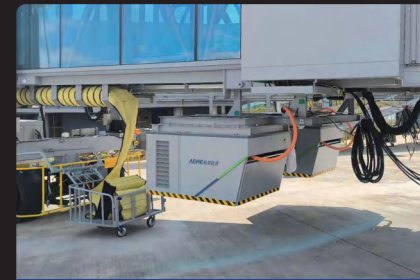
China Eastern Airlines



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.