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Flex - Port solution

AENERGY POWER
www.aenergypower.com



æ **AENERGY POWER**

Ready for the future
Advanced Solutions for
Energy Regeneration and Storage

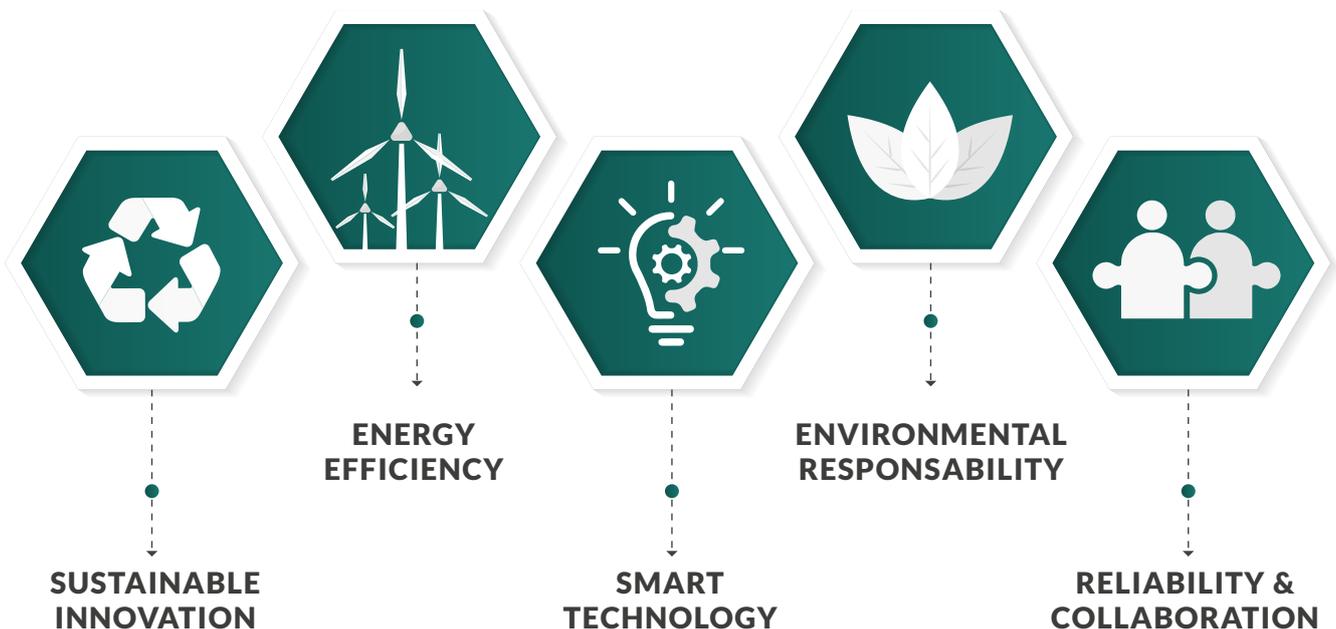


OUR MISSION

Redefining the use of renewable energy for a more sustainable tomorrow.

TOWARDS A SUSTAINABLE FUTURE

AENERGY POWER provides a concrete solution to make the construction industry more responsible and future-oriented. By integrating our system into ports and construction sites, our clients actively contribute to the green transition while improving their competitiveness and environmental impact. The future of ports and construction is efficient, sustainable, and innovative. With **AENERGY POWER**, sustainability is not a cost - it's a smart investment.



OUR STORY

ÆNERGY POWER was born from thirty years of **engineering expertise in industrial lifting and the design and construction of high-power mechanical systems**, with a clear vision: to revolutionize the way the world stores and reuses energy, through transformative solution with a lasting impact on the renewable energy market. At the heart of our company is a **team of engineers, designers and innovators** driven by a deep passion for **sustainability and an unwavering commitment to innovation**.



WHAT WE DO

We design gravitational storage systems that **capture and store energy normally dispersed** in seaports, construction sites, industrial plants and energy communities. We generate energy from the kinetic movement of large lifting machines, storing it to be available precisely when needed. Our solutions include **Temporary Microgrids for construction sites** and **Stable Grids for maritime ports**, ensuring constant energy and maximizing the efficiency of renewable sources such as wind and sun.





ENERGY WASTE IN THE PORT AND CONSTRUCTION SECTORS

The construction and port logistics industries are among the largest sources of energy waste, with a major environmental impact. Key data highlights the scale of the issue:

36%

GLOBAL ENERGY CONSUMPTION



The construction sector consumes over one-third of the world's energy.

40%

CO2 EMISSIONS



The construction industry is responsible for nearly 40% of energy-related emissions.

70%

ENERGY LOST ON CONSTRUCTION SITES



A significant portion of the energy used in lifting and transport systems is wasted.

80%

CONSUMPTION REDUCTION



The ÆENERGY POWER system can recover up to 80% of the energy used.

WHY CHOOSING US

COST CUTTING



Reduce costs with our energy recovery and storage system. Forget about excessive fuel consumption—our technology optimizes efficiency, delivering tangible savings.

SUSTAINABILITY



Power your project without harming the environment. Our solutions cut CO2 emissions and promote a cleaner future by regenerating energy that would otherwise be wasted.

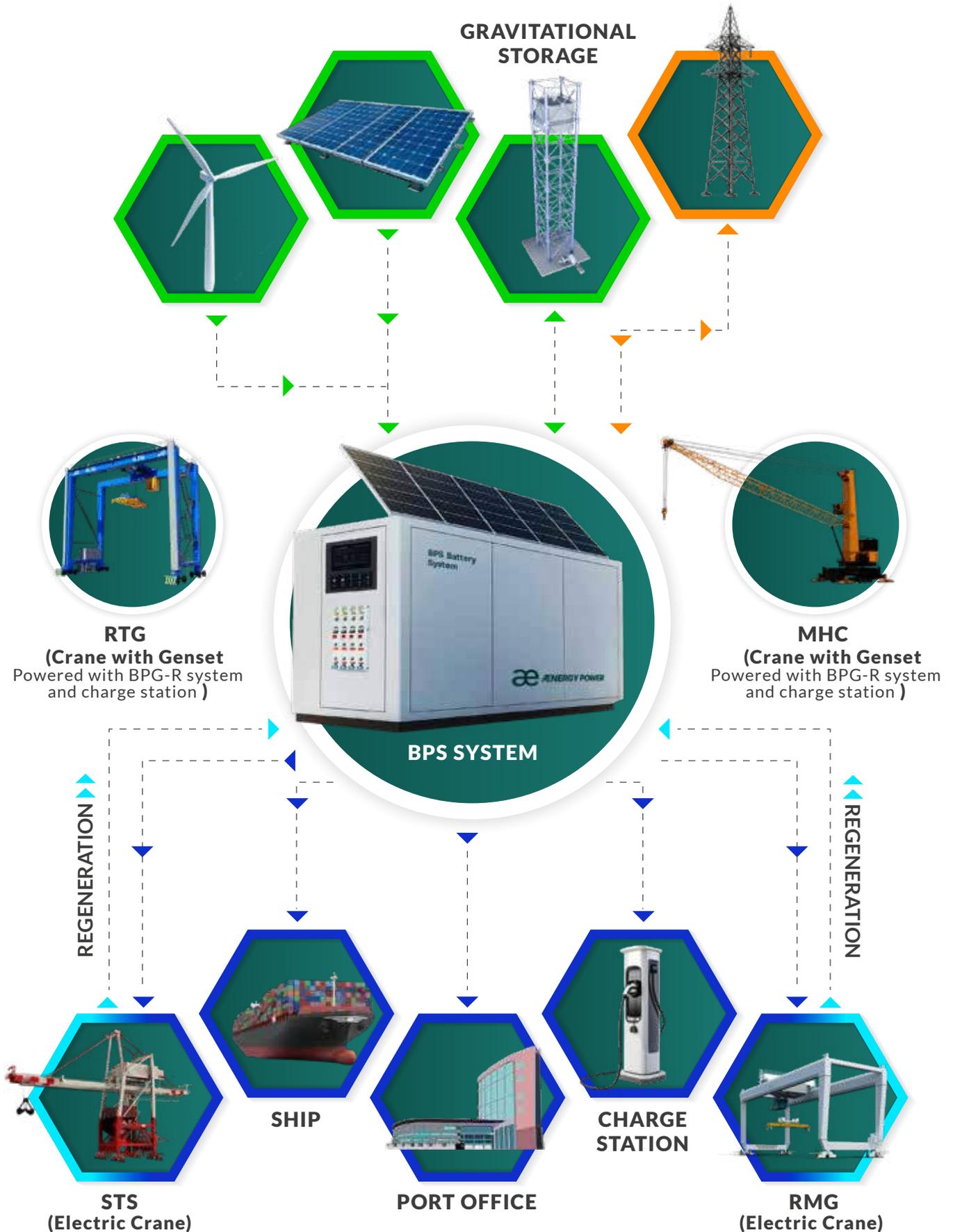
ENERGY EFFICIENCY



Maximize energy use with our advanced software. Through intelligent energy management, we minimize waste and ensure continuous power, even in critical situations.

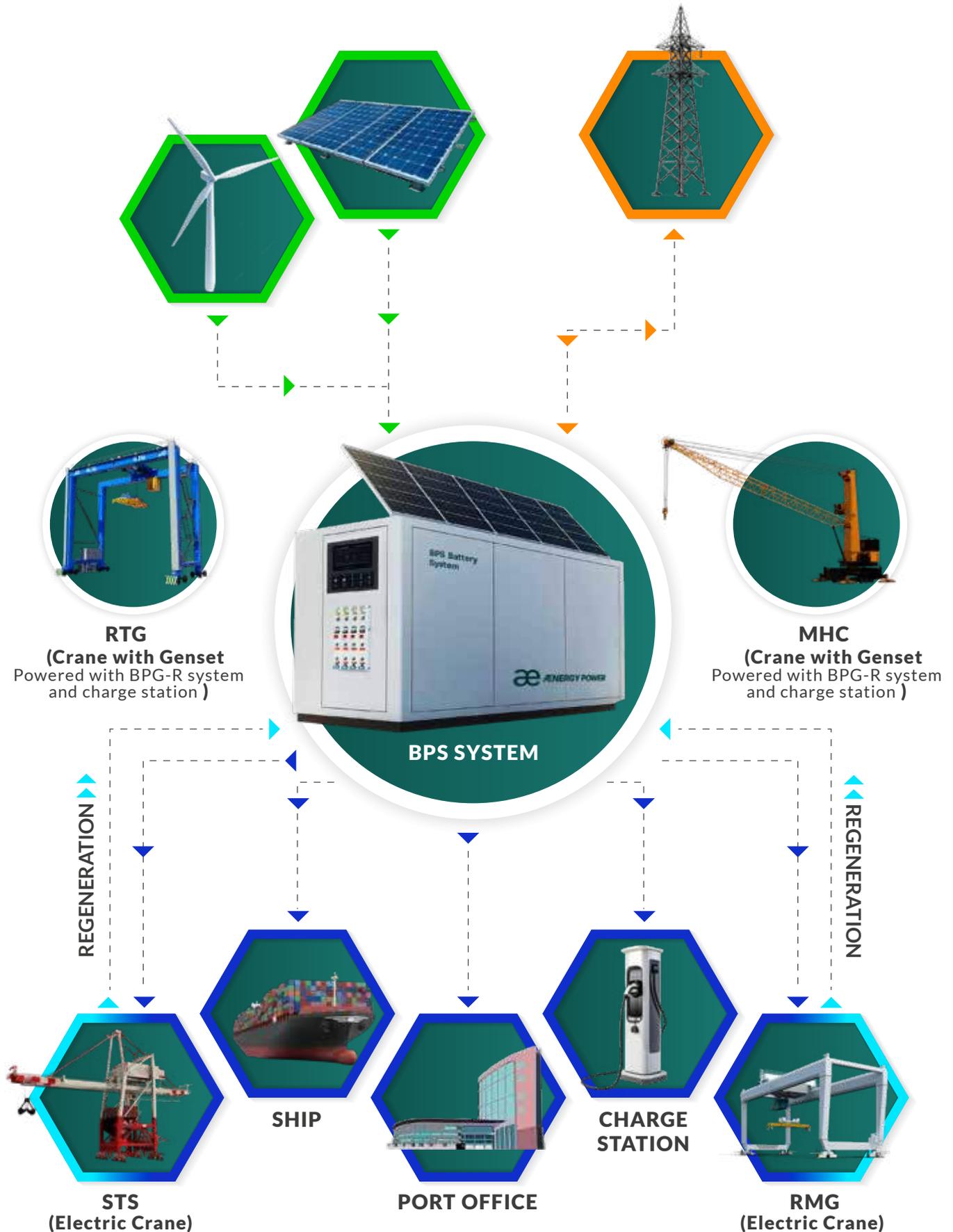
GBS Flex - Port

Green port solution with gravitational energy storage and centralized power distribution system for high power demand.



BPS Flex - Port

Green port solution centralized power distribution system that act also as battery energy storage system.





**Advanced Solutions for Energy
Regeneration and Storage, without Waste.**

CONTACTS:

**info@aenergypower.com
www.aenergypower.com**



AENERGY POWER SRL

**Via del Bosco Rinnovato 6
20057 Assago MI - Italy
VAT IT14069200963**