

PUBLIC INFRASTRUCTURE

Resilient Energy for Cities and Critical Infrastructure

Utility-scale storage, smart lighting, EV charging networks, and frequency regulation for public administrations and infrastructure operators.

SOLUTIONS FOR PUBLIC INFRASTRUCTURE

Scalable systems covering the energy needs of cities and public services.

■ Utility-Scale Storage

Battery systems from 100 kWh to 5 MWh per container with LiFePO4 technology for grid balancing, peak shaving, and critical infrastructure backup. Unlimited total capacity through modular deployment.

■ EV Charging Networks

Fast and semi-fast charging infrastructure with integrated storage to avoid demand peaks and reduce transformer investment.

■ Municipal Energy Communities

Platform to create and manage citizen energy communities sharing renewable energy between public buildings and neighbors.

■ Smart Public Lighting

Centralized lighting management with presence sensors, automatic regulation, and solar+battery power for off-grid areas.

■ Frequency Regulation

Batteries responding in milliseconds to stabilize grid frequency, generating revenue through ancillary services.

■ Grid Protection

AM-X devices for proactive protection of public facilities, parks, pools, and urban equipment with electrical risk.

USE CASES

■ Municipal Buildings

Solar self-consumption + storage for town halls, libraries, and sports centers. Cost and carbon footprint reduction.

■ Schools & Universities

Educational energy communities where the installation becomes a teaching tool.

■ Hospitals & Health Centers

Critical backup with batteries and advanced electrical protection ensuring 24/7 service continuity.

■ Parks & Public Spaces

Autonomous solar lighting, device charging, and environmental monitoring with decentralized power.

FUNDING FOR PUBLIC ADMINISTRATIONS

Public administrations have preferential access to multiple funding lines.

■ FEDER funds for energy efficiency in public buildings

■ IDAE — Building Energy Rehabilitation Program (PREE)

■ Next Generation EU — Component 7: Renewable energy deployment

■ MOVES III for public charging infrastructure

■ Regional energy transition programs

SMARTER CITIES, MORE RESILIENT

We design custom energy solutions for public administrations and infrastructure operators.

Eneraq

info@eneraq.com · eneraq.com/en/sectors/public-infrastructure

European technology · In-house R&D