Monaco Energy Storage Forum 2026

Executive Summary of the First Edition

ATON GREEN ENERGY

VOLTHA

1. Context and Objectives

The Monaco Energy Storage Forum marks the first edition of an international event dedicated to the strategic role of energy storage in the transition toward sustainable, resilient, and digitalized energy systems.

Organized and funded by ATON Green Energy, the Forum was conceived as a platform for institutional, industrial, and technological dialogue, aimed at fostering a shared understanding of the challenges related to energy storage and its integration into decarbonization policies.

This initiative fully aligns with the Principality of Monaco's trajectory toward its Carbon Neutrality objective, mobilizing significant resources and demonstrating a strong political commitment to energy renovation, technological innovation, and infrastructure modernization.

2. Participation and Market Interest

The first edition of the Forum registered 113 attendees, with 98 effective participants, confirming strong, qualified, and international interest in the topics addressed.

The diversity of profiles present — institutions, utilities, industrial operators, technology providers, and market experts — enabled rich and structured exchanges, fostering a cross-sectoral approach to energy storage.

Feedback highlighted the quality of the presentations, the relevance of the topics discussed, and the added value of a format combining strategic reflection with operational analysis.

3. Structure and Organization of the Forum

The Forum was structured around:

- Institutional sessions
- Technical and industrial presentations
- Thematic roundtables

This framework enabled energy storage to be addressed through a systemic approach, simultaneously integrating:

- Strategic and energy policy dimensions
- Technological and industrial aspects
- Regulatory and market considerations
- Application-oriented and operational perspectives

This structure provided a coherent understanding of both current and future sector challenges.

4. Key Themes Addressed

Discussions highlighted the now central role of storage systems as a key enabler of the energy transition, particularly for:

- Optimization of self-consumption and development of advanced energy management models
- Efficient integration of renewable energy sources, especially intermittent generation
- Participation in flexibility mechanisms and ancillary services
- Strengthening resilience and security of electrical systems
- Evolution toward digital aggregation, control, and optimization models for energy assets
- Tangible support for decarbonization objectives across residential, C&I, and utility-scale segments

5. Institutional, Regulatory and Economic Structuring Dimension

Institutional interventions emphasized the strong commitment of the Princely Government to energy renovation and the strategic role of storage in achieving carbon neutrality.

It clearly emerged that the regulatory framework plays a decisive enabling role by allowing:

- The adoption of innovative solutions
- The implementation of pilot projects and demonstration initiatives
- The seamless integration of storage into existing energy systems

Beyond strictly regulatory aspects, discussions also highlighted two structural conditions necessary to enable large-scale deployment of energy storage.

First: The Need to Develop Sustainable Business Models Capable of Attracting Private Credit

Energy storage — particularly in the C&I and utility-scale segments — requires significant investment and appropriate financial structuring. The involvement of private capital — through structured financing mechanisms, public-private partnerships, or specialized debt instruments — is a critical lever to accelerate project deployment.

In this context, regulatory stability, revenue visibility (flexibility services, ancillary services, energy arbitrage), and asset bankability become decisive factors in securing investment and enabling the emergence of a mature and sustainable market.

Second: The Need to Integrate Multiple Technical Disciplines to Deliver End-to-End Services

Energy storage can no longer be approached as a simple equipment supply. It requires the coherent integration of expertise in electrical engineering, power conversion systems,

thermal management, digitalization, aggregation, cybersecurity, regulatory compliance, and economic optimization.

The ability to offer an integrated approach — from design to operation, including financing, grid integration, and digital control — represents a key differentiating factor. This end-to-end model not only ensures technical system performance but also optimizes long-term profitability across the full asset lifecycle.

The Forum therefore strengthened dialogue among public authorities, industrial players, financial institutions, and technology partners, highlighting that the success of the energy transition depends as much on robust economic models and integrated expertise as on technological innovation.

6. Main Intervention Axes and Panels

6.1 Institutional Interventions

- Energy renovation strategies and pathway to carbon neutrality
- Role of public institutions and utilities in the energy transition

6.2 Industrial Roundtables and Panels

- Residential, C&I, and utility-scale storage
- Grid flexibility and ancillary services
- Integration of storage systems with renewable energy
- Digital platforms, aggregation, and energy management

6.3 Market and Regulatory Perspectives

- Regulatory frameworks as innovation enablers
- Business models and deployment conditions
- Real-scale pilot and demonstration projects

7. Collaboration Perspectives

The Forum highlighted the need for close and structured collaboration between institutions, utilities, and industrial partners to translate energy strategies into concrete and measurable projects.

In this context, ATON Green Energy, in collaboration with its industrial partner DEYE, expressed its full availability to support these developments through:

- Proven industrial expertise
- Operational storage solutions
- Advanced energy management systems
- Digital platforms dedicated to aggregation and asset optimization

8. Conclusion

This first edition of the Monaco Energy Storage Forum laid the foundations for a reference event dedicated to energy storage, strengthening Monaco's positioning as an advanced laboratory for energy innovation, institutional dialogue, and international cooperation.

The Forum demonstrated that energy storage constitutes a strategic and indispensable pillar for achieving climate objectives, ensuring energy system resilience, and supporting the transition toward sustainable models.