EASE and IFIEC: Empowering Energy Intensive Industries: Unleashing Energy Storage Innovations

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24 Oct 2023, Webinar

EASE

European Association for Storage of Energy

ifiec europe

international federation of industrial energy consumers

A Few Reminders:

- Please keep your microphones off!
- The webinar will be recorded.
- Slides and contacts will be circulated after the webinar.

Agenda

Time	Item	Lead
16:00	**1. Welcome**	Isabelle Chaput, IFIEC
16:05	**2. European Association for Storage of Energy – EASE:** • Overview • Thermal Energy Storage	Margareta Rončević, EASE
16:10 – 16:30	**3. Kyoto Group:** • Technology presentation • Q&A	Camilla Nilsson, CEO
16:30 – 16:50	**4. UNDA Engineering** • Technology presentation • Q&A	Emin Selahattin, Co-founder
16:50 – 17:10	**5. Carbonclean** • Technology presentation • Q&A	Robert Pfab, COO
17:10	**6. Closing remarks and additional questions**	Margareta Rončević, EASE

European Association for Storage of Energy – EASE

Overview

The European Association for Storage of Energy (EASE) is the **leading member-supported association** representing organisations active across the entire energy storage value chain.

EASE **supports the deployment of energy storage** to accelerate the cost-effective transition to a resilient, carbon-neutral, and secure energy system.

EASE **represents over 70 members** including utilities, technology suppliers, research institutes, distribution system operators, and transmission system operators.

Awareness raising

Raise awareness about the benefits of energy storage, as well as its crucial role in supporting the energy transition.

Information-sharing

Serve as a platform for information-sharing and debate on different technologies, applications, and business cases.

Market design

Promote a fair and future oriented energy market design that recognises storage as a central element of the energy system.


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Energy Storage NL
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ENERGY VAULT
Enabling a Renewable World
ENGIE
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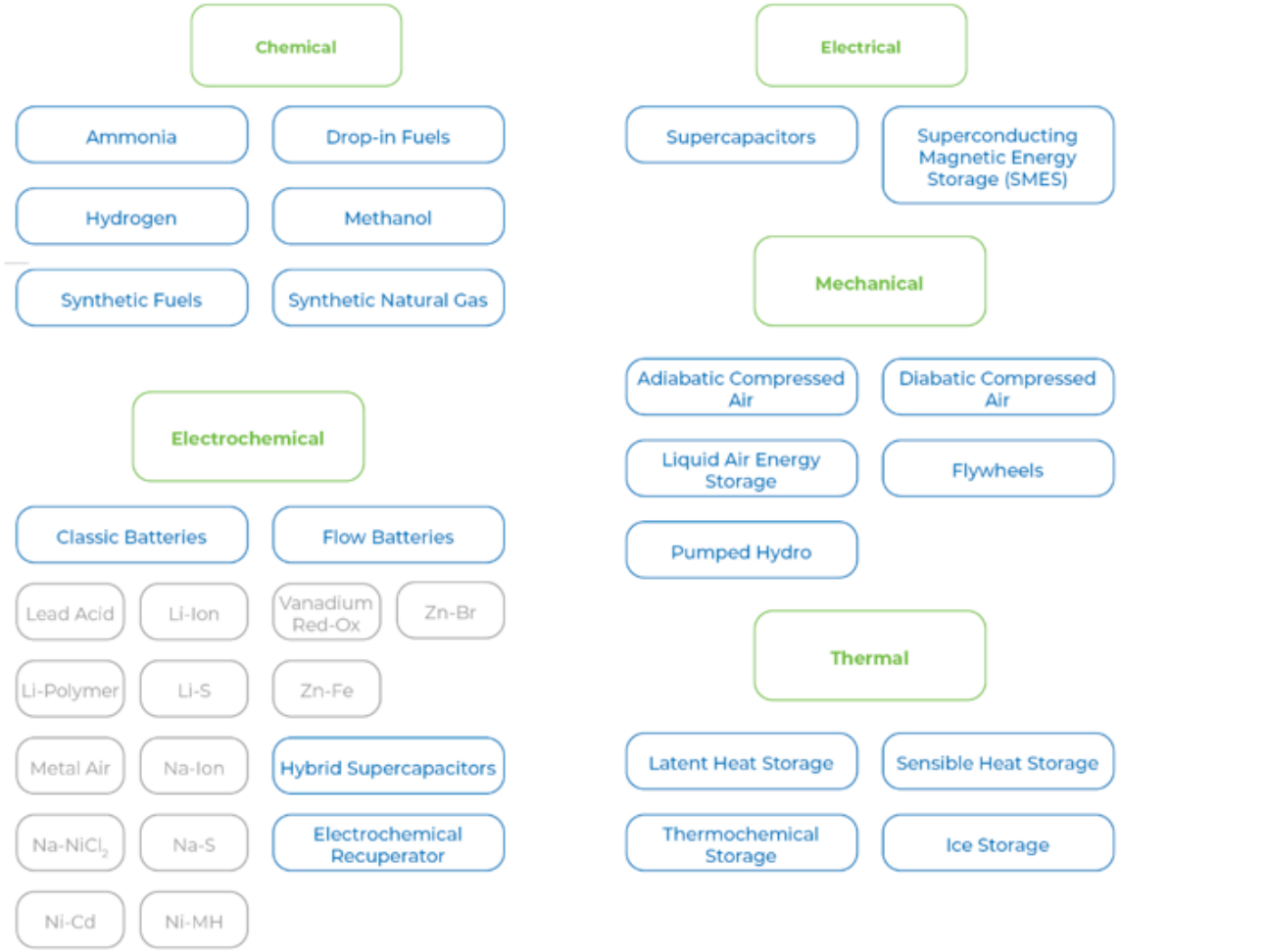
Overview



Source: EASE – https://ease-storage.eu/energy-storage/technologies/

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Thermal Energy Storage

- refers to means of deferring the final use of thermal energy (or of electrical energy through thermal means) to a moment later than when it was generated, or the conversion of any form of energy into a form of energy which can be stored, the storing of such energy, and the subsequent reconversion of such energy into electrical or thermal energy

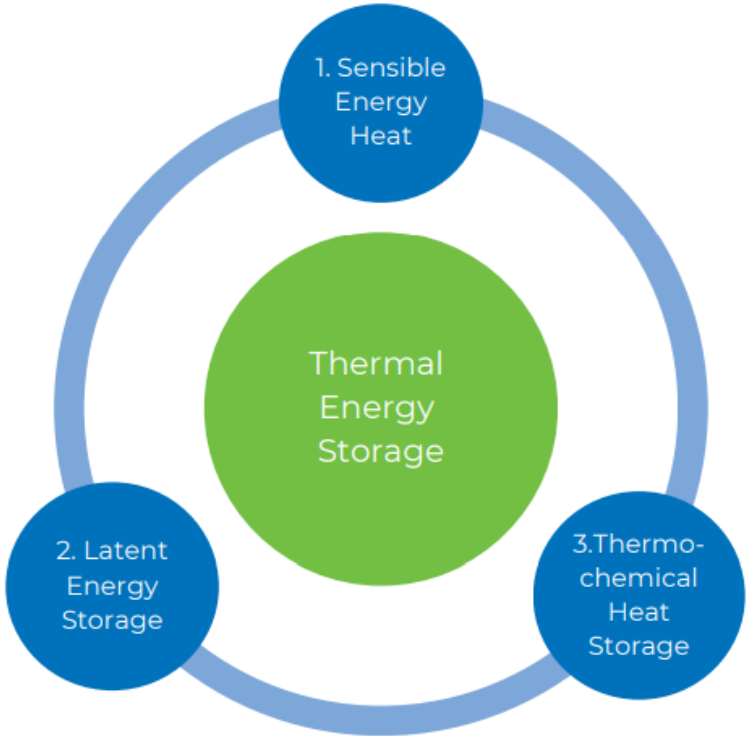

Figure 1: The major types of Thermal Energy Storage, EASE, 2023

European Association for Storage of Energy – EASE

Thermal Energy Storage

- **Introduction** – brief elaboration of the need for this policy paper
- **Technology Overview** – detailed division and explanation of three distinct storage principles
- **The Added Value of Thermal Energy Storage** – discussion of distinct benefits of TES within certain markets
- **Business Cases** – global examples of successful TES projects and examples of potential TES utilisation and advancement in different sectors provided by the TF members
- **Policy Recommendations** – recommendations to decisionmakers at the European, national and subnational level
- **Conclusion** – underlined key benefits of TES
- **References**