



InnoEnergy
Knowledge Innovation Community

 EIT InnoEnergy is supported
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Battery Storage and Smart Grid Applications

Insights, knowledge and tools to boost your organisation



Get ahead of the global energy shift

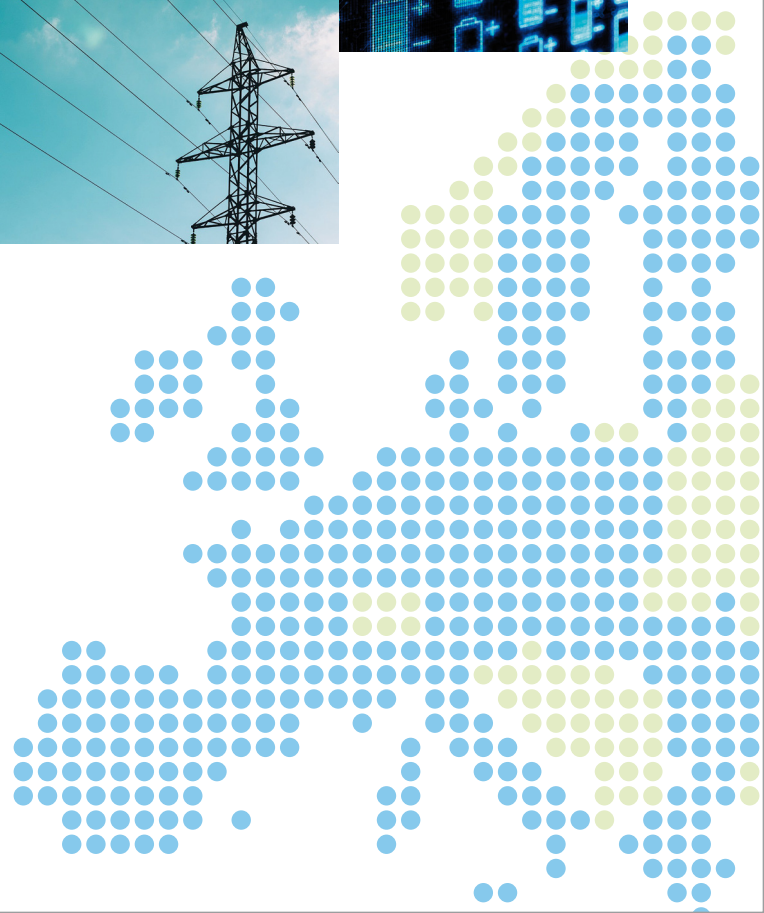
We are witnessing the unprecedented transformation of the global energy system. Renewables are increasingly penetrating the market, and the variability in electricity use driven by innovations like electric mobility is accelerating rapidly. Energy storage is emerging as the frontrunner solution to changing and growing needs – offering an efficient, cost-effective and sustainable approach while empowering the decarbonisation of the electricity system. Stationary storage systems, in particular, can be implemented at different levels of the electricity value chain, such as the transmission, distribution and consumer levels. The opportunities are endless. But how do you leverage them? How do you gain insight into the market and opportunities to take your place at the forefront to the energy transition?

Battery Storage and Smart Grid

Applications gives you a rounded understanding of the market forces and mechanisms reshaping the battery storage market in Europe. You will explore the opportunities battery storage applications offer for different stakeholders of the European electricity system and get a concise view of the key considerations in investing and owning these assets. You will also get insights on the link between electric mobility and stationary storage systems and finally explore a real-world situation through the case teaching method.

Battery Storage and Smart Grid Applications empowers you to:

- Identify the challenges facing the EU electric industry and articulate the case for battery storage
- Understand the emerging battery storage market
- Understand the services and barriers for battery storage applications behind-the-meter and front-of-the-meter, as well as the issues surrounding ownership of battery storage systems
- Determine the principal risks and challenges in investing in these applications
- Understand the link between electric vehicles and stationary storage systems
- Spot the emerging players, broaden your business perspective and exploit new market openings.



What will you study?

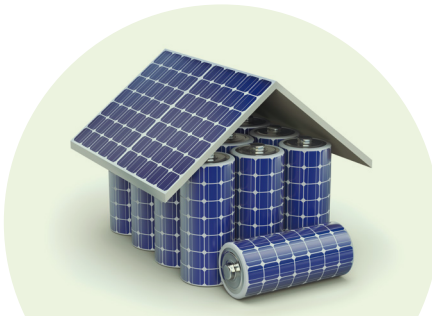
Battery Storage and Smart Grid Applications gives you expert insight into the way that battery storage is reshaping the European electricity system. You explore all the critical issues, from the benefits of different stationary storage applications to how to invest in them, through to and the link of stationary storage systems with electric mobility.

Teaching and learning are dividing into a preparatory online self-paced course and a sequence of six virtual classes to develop your understanding and expertise



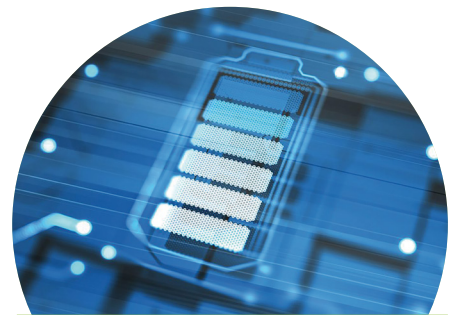
Virtual Class 1

Overview on the European energy storage market



Virtual Class 2

Battery energy storage at the customer level



Virtual Class 3

Battery energy storage for grid management

Virtual Class 4

Ownership and investing in grid storage



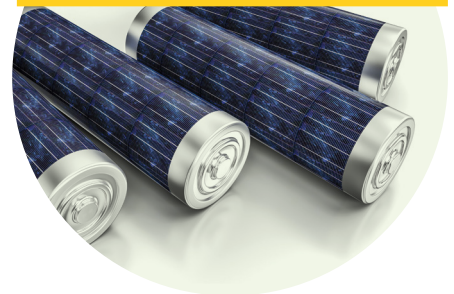
Virtual Class 5

Electric vehicles and stationary energy storage



Virtual Class 6

Expert intervention and group debate around a real-world case



Who will teach you?

The EIT InnoEnergy consortium is a leader in sustainable energy education, and leverages the combined expertise of many of Europe's foremost technical universities, business schools, industry experts and innovation start-ups.

“Energy storage is the next big thing in the global energy transition. Companies looking to build competitive advantage tomorrow really need to understand what is driving innovation in this space and how to make changing trends play to their advantage.”

Elias De Keyser, Energy and Flexibility Expert
Next Kraftwerke, BeNeLux

Online for impact and flexibility

Battery Storage and Smart Grid Applications is delivered 100% online for your safety, and to optimise flexibility and immediate impact. It is a dynamic, interactive and immersive learning experience that leverages the latest in virtual pedagogies to accelerate your learning, at a pace and rhythm that works for you.

Delivered over two weeks online (2 hours/week) and 14 hours of virtual classes (6 virtual classes) Battery Storage and Smart Grid Applications consists of:

- Online lessons devised and led by experts in battery storage
- Valuable supplemental materials, resources and reports
- Self-evaluation exercises to embed learning and accelerate your progress
- Virtual and interactive **lessons and case teaching** allowing you to meet peers and faculty, share perspectives and bring your **learning together**.

Is it right for you?

Participants come from many different countries and represent a broad diversity of sectors, from engineering to energy and management consultancy, mobility, finance and utilities. Battery Storage and Smart Grid Applications is particularly interesting for:

- Professionals and industry managers interested to understand battery storage as a strong part of the new energy system
- Energy consultants and engineers interested to learn about smart grid battery storage applications and business opportunities
- Energy analysts and strategists
- Investors interested in sustainable future investments



Take the next step.

Prepare to lead innovation at your organisation today.



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At the end of the course you will receive a certificate with a LinkedIn integrated URL that verifies your achievement.