



## Certificate of Achievement

# Matthias Giger

has completed the following course:

### BATTERY STORAGE TECHNOLOGY: OPPORTUNITIES AND USES EIT INNOENERGY

On this course, learners discovered promising battery storage technologies; explored their workings, strengths, weaknesses, and possible place in Europe's future. Learners looked into a range of uses; not only in the power sector - but in transportation, industry, the home and more.


3 weeks, 3 hours per week



**Anna Darmani**  
Lead Educator  
EIT InnoEnergy



**InnoEnergy**  
Knowledge Innovation Community



The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit [futurelearn.com/proof-of-learning/certificate-of-achievement](https://futurelearn.com/proof-of-learning/certificate-of-achievement).

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Knowledge Innovation Community



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has completed the following course:

### **BATTERY STORAGE TECHNOLOGY: OPPORTUNITIES AND USES EIT INNOENERGY**

**73%**  
AVERAGE TEST  
SCORE

On this course, learners discovered promising battery storage technologies; explored their workings, strengths, weaknesses, and possible place in Europe's future. Learners looked into a range of uses; not only in the power sector - but in transportation, industry, the home and more.

- Off-grid application of battery storage
- Battery storage application in mobility

#### **STUDY REQUIREMENT**

3 weeks, 3 hours per week

#### **LEARNING OUTCOMES**

- Explain battery storage technologies and services for four different types of applications in the electricity market.
- Identify solutions to the main barriers that have been slowing down the development of the battery storage market.
- Explore an overview of different technical characteristics of battery storage technologies.
- Explain why different applications of battery storage require different sets of technical characteristics.
- Explore how battery storage allows you to reduce the peak demand of your household/industry/grid and which other services to the grid can be delivered.
- Investigate how to reduce the cost of the electricity bills at your household, or industry using battery storage.

#### **SYLLABUS**

- The need for the flexibility demand in the EU electricity industry and the role of battery storage.
- Battery storage technologies: characteristics, potentials and limitations
- Grid scale application of battery storage
- Behind-the-meter application of battery storage