



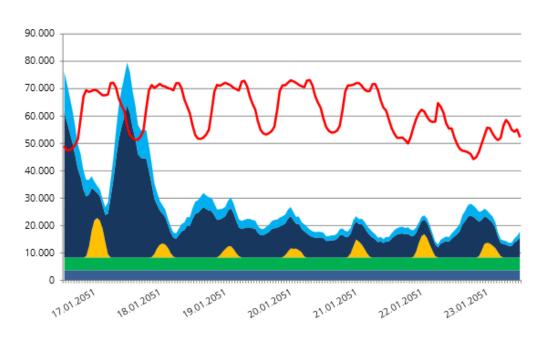
An H2020 small scale storage project

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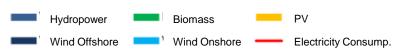


Storage is a Need

Decentralised small and medium-size storage solutions are indispensable for enabling the future energy system with a high share of intermittent Renewable energy sources.



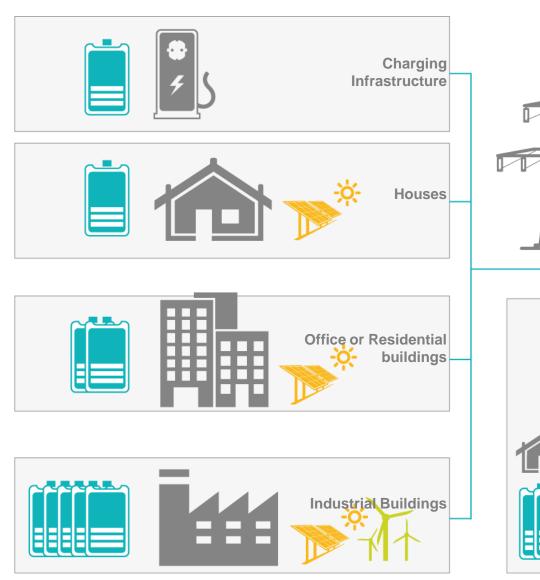
 Distributed Storage is the key for a Smart Energy System.

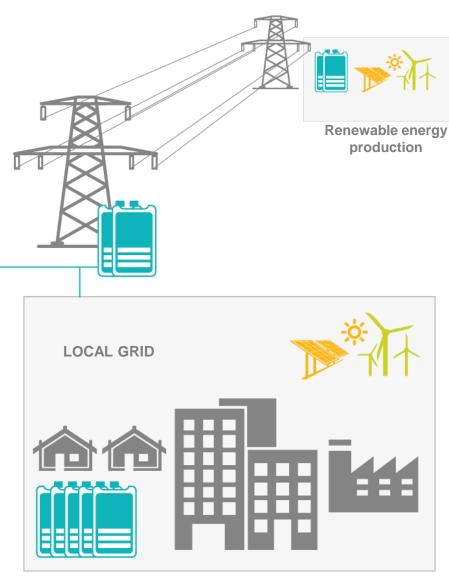


Electricity production and consumption in Germany during a week in January 2051 (Source: Fraunhofer UMSICHT, 2013, p. 21)

6 energy storage markets

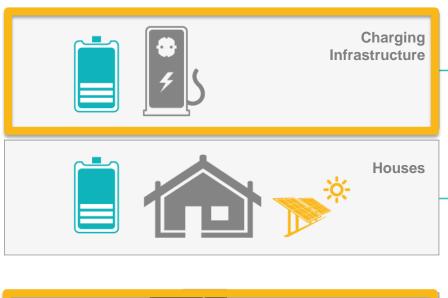






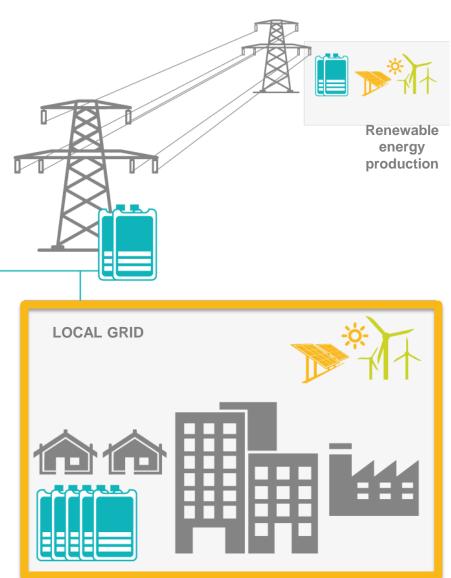
ELSA's markets











A well balanced and experienced consortium







ELSA Project in brief

Energy Local Storage Advanced system

Duration: April 2015 – March 2018 (36 Months)

Total costs: 13 114 250 €

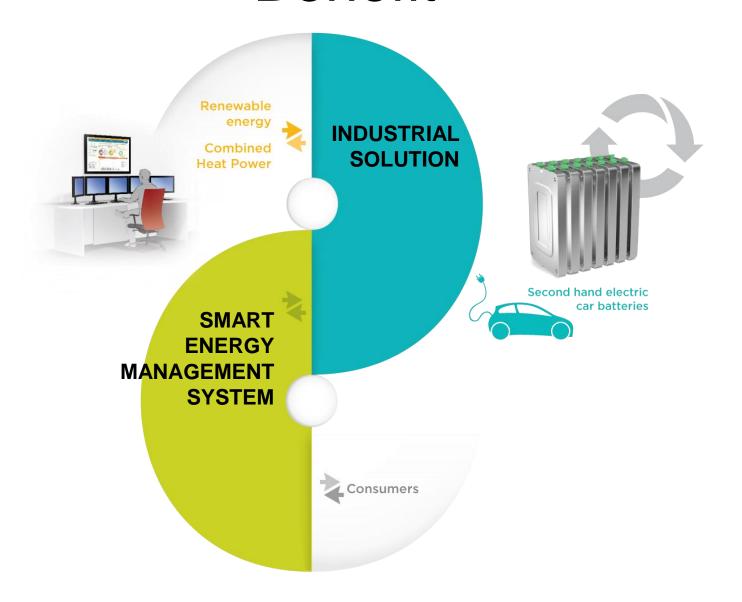
• Call: H2020-LCE-2014-3

Topic: Local / small-scale storage

• ELSA is one of 23 Smart Energy projects of H2020.

Benefit





ELSA 4 keys



Safe

Security EV Batteries

Scalable

Scalable architecture with 12 to 96 kWh modules

1 controller per battery, able to manage batteries of different age and quality

Affordable

of the first prototype

- Direct Connection to Aggregator Platform for DSR revenues
- Using EV 2nd Life Batteries
- Power « on the shelf » Electronics Components

Sustainable

Using EV 2nd Life Batteries



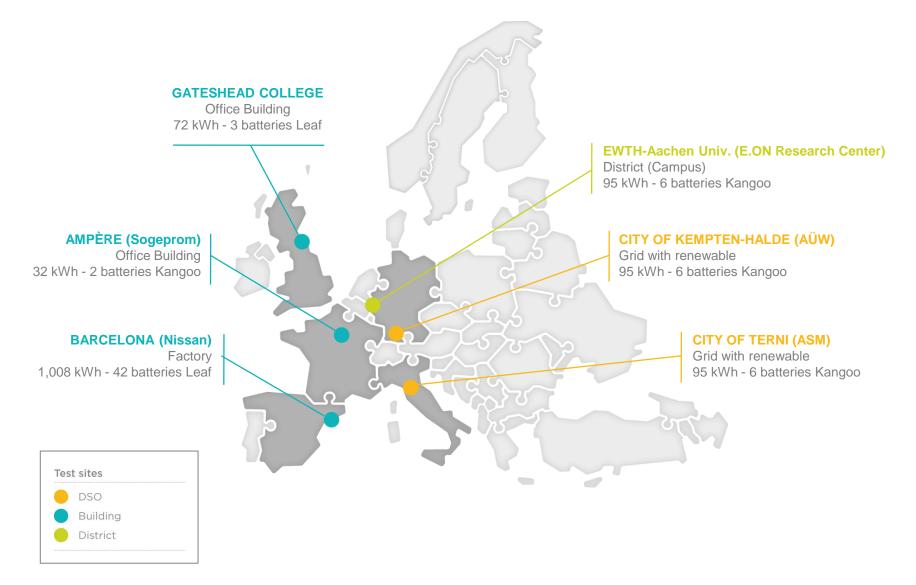


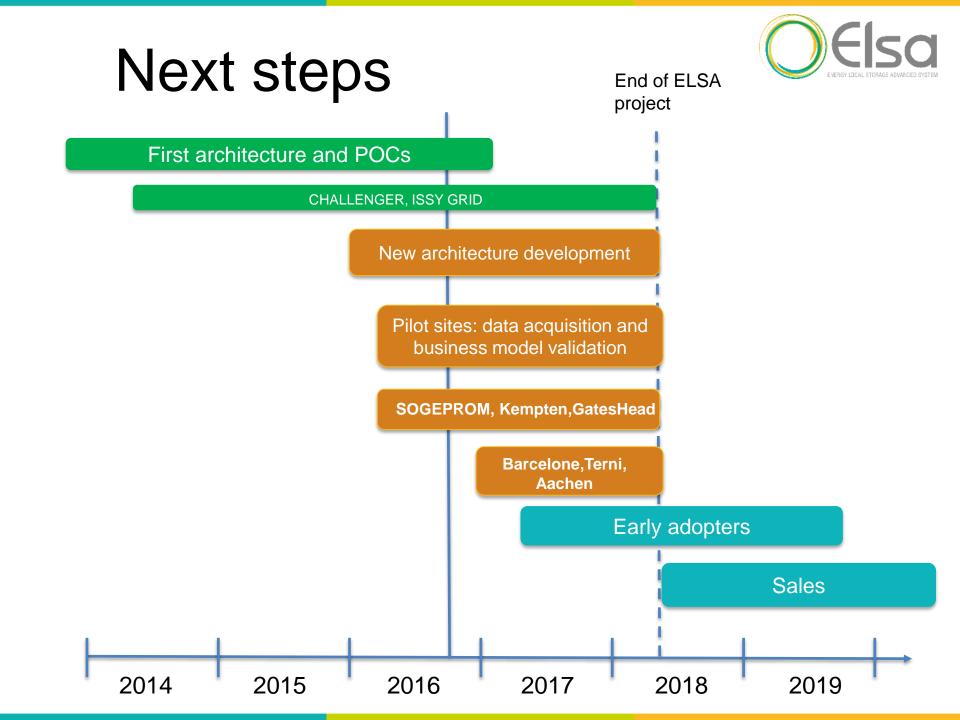
First results

ENERGY LOCAL STORAGE ADVANCED SYSTEM

6 pilot sites in Europe









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