

1**Energy Storage****1.1****Mechanical Energy Storage**

- 1.1.1 Compressed Air Energy Storage (CAES)
- 1.1.2 Pumped Hydro Storage Plants
- 1.1.3 Flywheels
- 1.1.4 Other Types of Mechanical Energy Storage

1.2**Electrochemical Energy Storage**

- 1.2.1 Batteries
 - 1.2.1.1 Advanced Lead-Acid
 - 1.2.1.2 Nickel-Cadmium
 - 1.2.1.3 Nickel-Metal Hydride
 - 1.2.1.4 Lithium-Ion
 - 1.2.1.5 Lithium Iron Phosphate
 - 1.2.1.6 Saltwater
 - 1.2.1.7 Other Battery Technologies
- 1.2.2 High-Temperature Batteries
 - 1.2.2.1 Sodium-Nickel-Chloride
 - 1.2.2.2 Sodium-Sulphur
 - 1.2.2.3 Other Technologies of High Temperature Batteries
- 1.2.3 Flow Batteries
 - 1.2.3.1 Redox Flow
 - 1.2.3.2 Hybrid Flow
 - 1.2.3.3 Organic Flow
 - 1.2.3.4 Other Technologies of Flow Batteries

1.3**Chemical Energy Storage**

- 1.3.1 Hydrogen Storage
 - 1.3.1.1 Pressure Storage
 - 1.3.1.2 Liquid Storage
 - 1.3.1.3 Hydride Storage
 - 1.3.1.4 Feeding Hydrogen into the Gas Network
- 1.3.2 Methane Storage
 - 1.3.2.1 Methane Feeding into the Gas Network
- 1.3.3 Other Technologies of Chemical Energy Storage

1.4**Electrical Energy Storage**

- 1.4.1 Super Capacitors / Double Layer Capacitors
- 1.4.2 Superconducting Coils
- 1.4.3 Other Technologies of Electrical Energy Storage

1.5**Thermal Energy Storage**

- 1.5.1 Sensitive Heat and Cold Storage
- 1.5.2 Latent Heat Storage
- 1.5.3 Sorptive Storage
- 1.5.4 Thermochemical Storage
- 1.5.5 Other Technologies of Thermal Energy Storage

2**Components of Energy Storage****2.1****Inverters****2.2****Power Electronics / Cables****2.3****Safety-Relevant Components (e.g. Surge Protection)****2.4****Other Equipments / Components****3****Production Technologies of Energy Storage Systems****3.1****Cell Production****3.2****Battery Production****3.3****Fuel Cell Production****3.4****Production of Electrolysers****3.5****Other Production Technologies****4****Conversion technologies:
Power-to-X-to-Power****4.1****Hydrogen Production
Electrolysers****4.1.1****Electrolysers****4.2****Methanisation and other Hydrogen Refining Processes****4.2.1****Hydrogen to Methane (gaseous)****4.2.2****Hydrogen to Methanol (liquid)****4.3****Power-to-Heat****4.4****Power-to-Chemicals****4.5****Reconversion****4.5.1****Fuel Cell****4.5.2****Combined Heat and Power Plant****4.5.3****Gas Turbine****4.5.4****Gas Motor****4.6****Other Conversion Technologies****5****Storage Systems****5.1****Storage for Trade and Industry****5.2****Grid-Connected Systems****5.2.1****Storage for Single and Multifamily Homes****5.2.2****Storage for Integration into Distribution Networks****5.2.3****Storage for Charging Infrastructure****5.3****Off-Grid Systems****5.3.1****Stationary Off-Grid Storage****5.3.2****Mobile Off-Grid Storage****5.4****Other Storage Systems****6****Mobility Systems****6.1****Power-to-Mobility / Drive systems****6.2****Vehicle-to-Grid****6.3****Charging infrastructure: EV charging stations,
Superchargers, Inductive charging systems****7****Management Systems****7.1****Battery Management Systems (BMS)**

7.2 Energy Management Systems (EMS)

7.3 Other Management Systems

9 Recycling of Energy Storage Systems

8.1 Collection and Transport

8.2 Processing and Sorting

8.3 Equipment for the recycling, conditioning and utilization of secondary raw materials

8.4 Management of harmful materials

9 Technologies for decarbonization and energy efficiency

9.1 Solutions and products for industrial and commercial processes

9.2 Solutions and products for buildings and other real estates

9.3 Software solutions

10 Financing of energy efficiency and decarbonization measures

10.1 Public financial institutions

10.2 Private banks

10.3 Insurance

10.4 Venture Capital

10.5 Other Financial Solutions

11 Industrial logistics for decarbonization

11.1 Commercial vehicles

11.1.1 e-Trucks

11.1.2 Forklift trucks & other material handling equipment

11.2 Freight traffic logistics

11.2.1 Fleet management systems

11.2.2 Transport IT, Transport management

11.2.3 Leasing

11.3 Other logistics

12 Carbon Capture, Usage and Storage (CCUS)

12.1 CO₂ separation and transport

12.1.1 CO₂ extraction equipment: Post and Pre-combustion capture

12.1.2 CO₂ cleaning and liquidiation equipment

12.1.3 Equipment for CO₂ transport
(Pipelines, Ships, Freight Trains, Trucks)

12.2 Carbon Usage technologies

12.2.1 Production of synthetic fuels

12.2.2 Use of CO₂ for plastics production (polymers, polyole)

12.2.3 Use of CO₂ for building materials (cement, etc.)

12.3 Technologies for CO₂ storage

13 Services

13.1 Consulting

13.1.1 Business Consulting

13.1.2 Legal Advisory

13.2 Project Developer

13.3 Standardization / Security

13.3.1 Testing

13.3.2 Certification

13.3.3 Security

13.4 Technical Services / Maintenance

13.5 Monitoring Services

13.6 Other Services

14 Energy sector

14.1 Energy Market Services

14.1.1 Energy Consulting

14.1.2 Carbon Footprint Analysis and Consulting

14.2 Utility Companies

14.3 Energy trading

15 Research / Education, Trade Publishers, Associations / Organisations

15.1 Research Institutes and Projects

15.2 Universities and Colleges

15.3 Media

15.4 Associations

15.5 Other Insitutions