THE AGENDA IS OUR SHARED PLAN TO TRANSFORM THE WORLD IN FIFTEEN YEARS AND, CRUCIALLY, TO BUILD LIVES OF DIGNITY FOR ALL.

António Guterres
Secretary-General of the United Nations
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econnext GmbH
- 100%
- SCREEN 17 GmbH
- GoStudent GmbH

econnext energy SE
- 72%
- 73%
- 53%
- GRIPS
- LUMENIN
- Autarq GMBH
Lumenion was founded in 2015 in Berlin and develop **high temperature grid scale storage systems** to deliver heat and electricity to industries, public utilities and communities – reliably and sustainably.
FLUCTUATING RENEWABLE GENERATION

24 MONTHS GENERATION PROFILE

- 380 GW PV, 160 GW onshore Wind & 20 GW Offshore Wind
- Curtailment of renewable electricity leads to considerable losses in income in systems with a majority of renewables
- for using renewables we need storage

Source: Arbeitsgemeinschaft Energiebilanzen (AGEB), eigene Hochrechnung, *2011, RP-Energie-Lexikon
HIGH TEMPERATURE STORAGE BUSINESS OPPORTUNITIES

Storing of energy **thermally**
- At **650°C** in **storage medium steel**
- Charging for 8h out of 48h allows us to continuously supply thermal energy with temperature level of 80-550°C for **approximately 48 hours**
- Charging to discharging ratio of 1-5 to 3-5 depending on application
- 2 modes of usage: **Power-2-Heat** or **Power-2-Heat & Power**
GRIPS supplies commercial and industrial energy consumers with reliable, competitively priced and renewable-focused energy. The activities foster economic growth and contribute towards CO$_2$ reduction worldwide.
To reach goals we have **to figure out** how to connect **activities to have the strongest impact**

- we have to **measure the results with agreed metrics**
- Competition on regional and Community level will bring the movement forward

**NEXT STEPS TO REACH THE SDG’S**

- **Drawdown**
- **Circular economy**
- **SDG-Monitor**
  - sdg-portal.de (Germany)
  - screen17
  - ... and other scientific proven toolsets...

**figure out the most effective activities against climate change**

**More sustainable:**
- reduction of resource inputs
- reduction of waste and emission
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