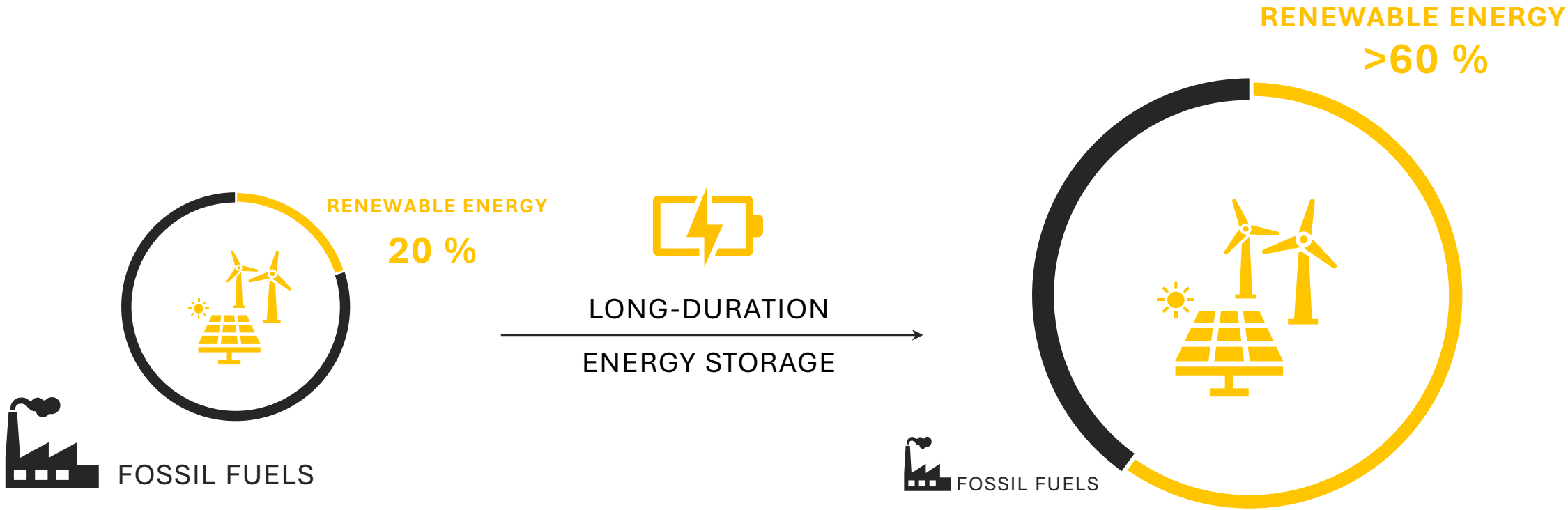
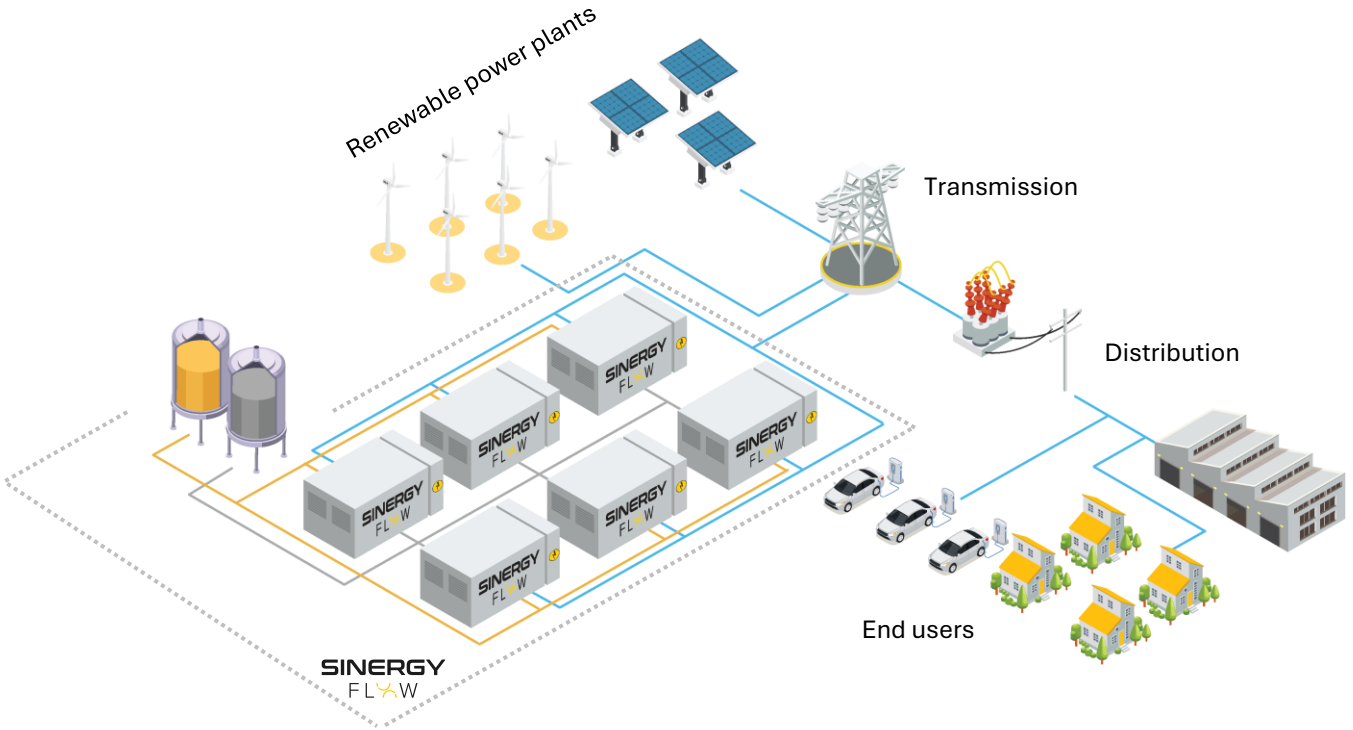
SINERGY FLOW

*Pioneering sustainable battery solutions for **long duration energy storage***

Inadequacy of current technologies to support energy transition. Long Duration Energy Storage (LDES) is the key enabler for the energy transition



Our LDES solution integrates seamlessly, delivering a LCOS < $50/MWh for cost-effective, sustainable energy storage



Low-cost electrolytes
with abundant materials
10-15 €/kWh

Power Unit
Containing proprietary stacks and PCU

BATTERY UNIT SF1: 40 ft container; >100kW. Patent: WO2021229087

LOW ENERGY CAPEX
< 150 €/kWh

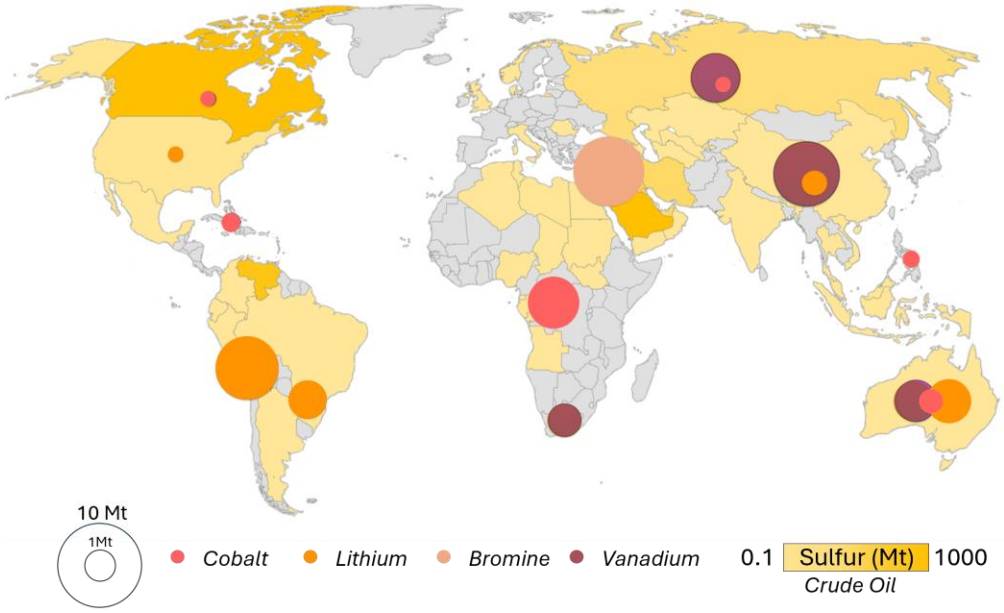
LONG DURATION
8-24 h

HIGH EFFICIENCY
> 70% RTE

WIDELY DEPLOYABLE
Multiple use cases (co-location, standalone, distributed storage)

Sinergy Flow harnesses globally accessible and unexplored resources with a resilient and decentralized supply chain

Concentration Materials Worldwide Compared to Sulfur



Source: Internal elaboration of data available on usgs.gov

CIRCULARITY
Re-use of industrial byproducts and recyclability at the end-of-life

STRATEGIC IMPACT
No geopolitical oligopolies in raw material supply and decentralized supply chain

VERSATILITY
No limitation in operating temperature, up to 50°C with high efficiency

- Valorization of Sulfur by-products coming from crude oil refinery and other industrial processes.
- Worldwide abundancy: local procurement directly on-site, simplified logistics, and lower CO_2 emission.
- Alkaline chemistry is safe, not flammable and suitable to operate in a wide range of temperatures.

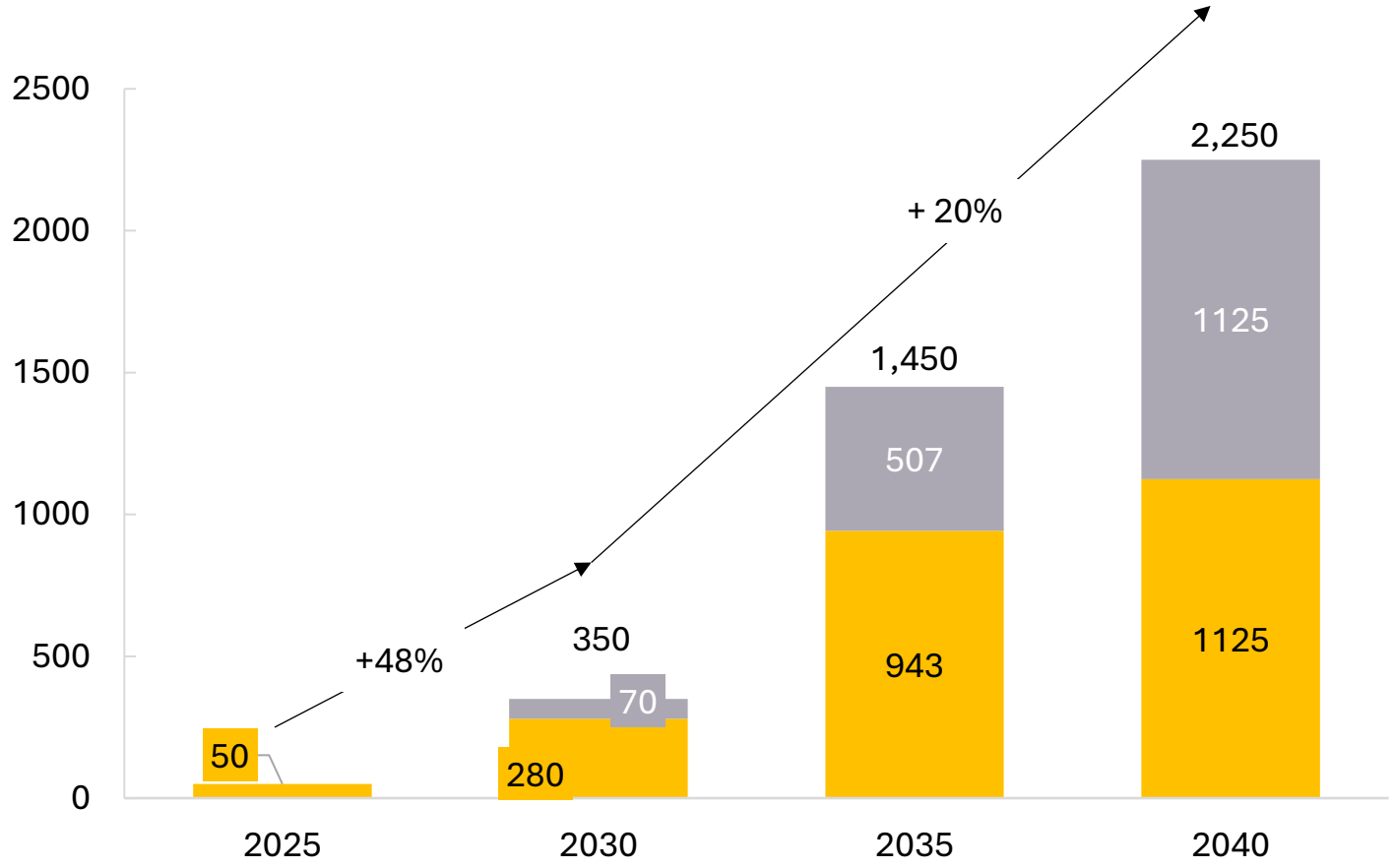
LDES market expected to grow significantly in the next decade, up to 275 GW power installed capacity and $ 350B capex investment in 2030

Battery storage duration

8-24h Short-term biggest opportunity: first target market for Sinergy Flow

24h+ Future target market for our flexible technology[1]

Cumulative capex investment, USD bn



1: Battery's storage duration can be easily scaled-up, increasing volume of electrolytes.
Note: negligible market for 24h+ storage in 2025
Source: *"Net-zero power – Long duration energy storage for a renewable grid"*, McKinsey&Company, LDES Council. Market data have been calculated as the average between LDES central scenario and progressive scenario

We plan to execute and scale fast, establishing a dominant presence in the LDES market with accelerating installations through 2032

2027

Grid-Scale Demo plant:
100 kW / 0.8 MWh

On-field installation with one utility

Sign 3+ LOI for new installations

Certification Process

2028

First-of-a-Kind:
1 MW / 8 MWh

10 Installed Containers

Sign 4+ partnerships for installation in EU

Positive Revenues

2029

5 MW / 50 MWh
Europe

First phase manufacturing facility fully online

+50 Installed Containers

Participation to 2 European tenders for LDES

Europe

+

2030

25 MW / 300 MWh
Worldwide

Construction of new assembly lines and internalization of critical components

+200 Installed Containers

10 tenders for LDES integration

2+ partnerships with international players

International expansion

2031

75 MW / 900 MWh
Worldwide

+600 Installed Containers

Participation to most of European and US tenders

Positive EBITDA

Sign new partnerships worldwide

Led by the best mix of experience & execution power to sustainably transform the energy industry

MATTEO SALERNO, MSC – COO

Operations | Procurement | Sulfur Valorization Strategist

Materials and Nanotechnology Engineer
PhD drop out to pursue Sinergy Flow development and growth.

2 patents on redox flow batteries
2+ years experience on procurements, supply management, and equipment maintenance

ALESSANDRA ACCOGLI, PHD – CEO

Strategy | Business Development | Investor Relations

Researcher at MIT on Sodium-Air batteries
PhD in Materials Engineering at Politecnico di Milano – Italy

5+ patents (4 on redox flow batteries)
10+ peer-reviewed publications
Awarded projects on lithium-ion battery alternatives
International Flow Battery Forum committee
Lamborghini FAB Award 2019

GABRIELE PANZERI, PHD – CTO

Product development | Research and development | Tech Assessment

Researcher at Lawrence Berkely National Lab on photo-electrochemical conversion of CO_2 into added-value fuels
PhD in Materials Engineering at Politecnico di Milano – Italy

5+ patents (3 on redox flow batteries)
20+ peer-reviewed publications
Schwäbisch Gmünd Prize Award

Thank you

SINERGY FLOW

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