

FROM MINE TO MEGAWATT



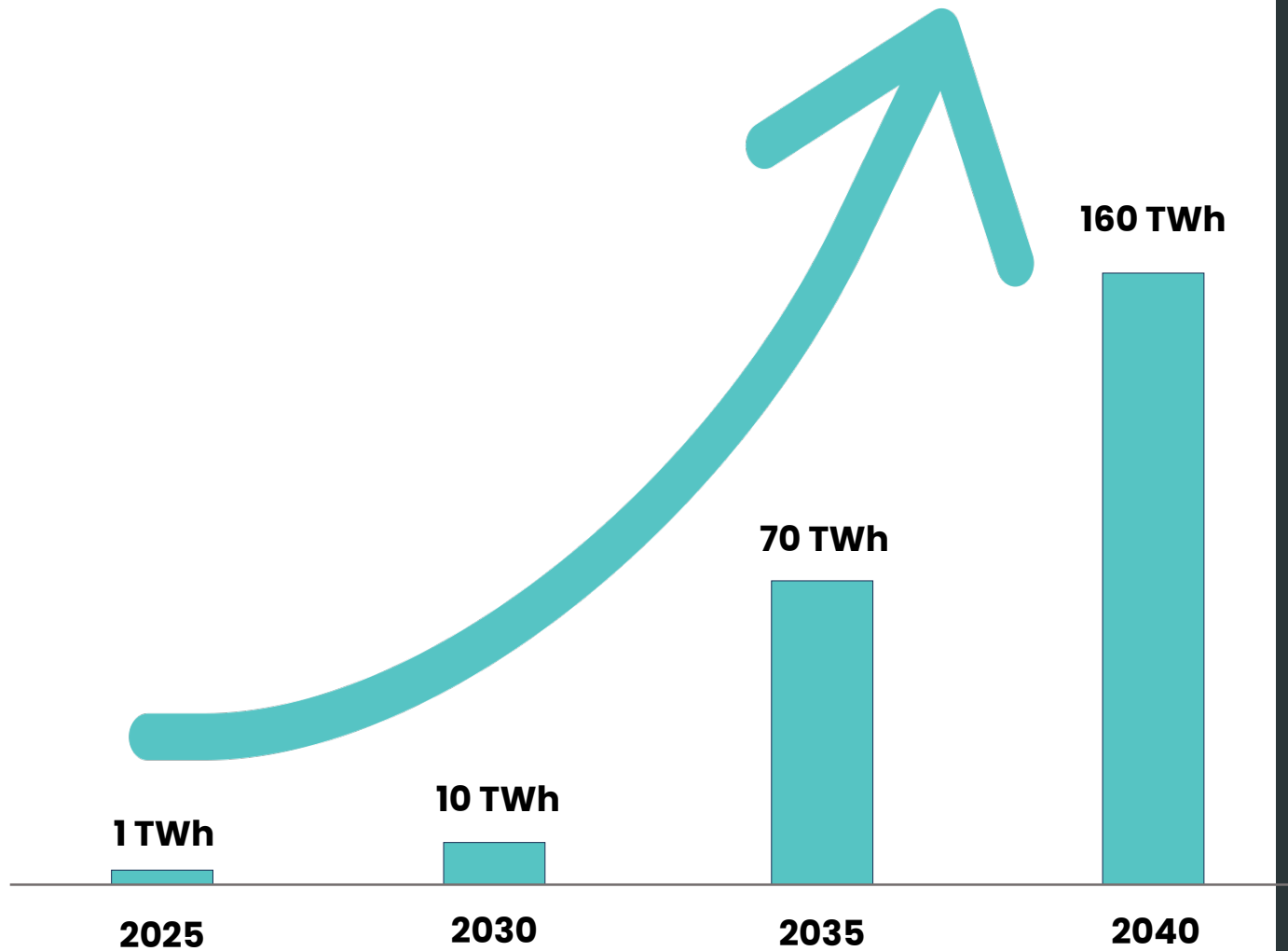
**A world transformed by safe,
sustainable, cost-effective energy
storage solutions**

Innovation and collaboration

Clean energy universally accessible

VISION

Cumulative global LDES capacity needed
Forecast in TWh



**UNPRECEDENTED
MARKET PULL**

tharisa

REDUX ONE


KARO
mining holdings



ARXO

tharisa



SOUTH AFRICA

REDUX ONE
Always switched on

GERMANY


KARO
platinum

ZIMBABWE



PROVEN
technology



HIGH-TEMPERATURE
stable



LOW
cost



UNPRECEDENTED
market opportunity



STRONG
investment partners



STRATEGIC
partnerships

**WHY REDOX ONE
MATTERS**

tharisa

kenera

CHARIOT
TRANSITIONAL POWER



REDUX



Multi-generational Fe & Cr supply for electrolyte manufacturing (GWh)



System integration partners for MWh storage projects



Demo customers signed up for MWh installations



Well-connected in the MENA with Demo installations planned

**STRONG
PARTNERSHIPS**

PIONEERING TECHNOLOGY SINCE THE 1970'S





Fe-Cr flow battery technology proven and demonstrated on MWh scale



Proprietary manufacturing process for Fe-Cr electrolyte straight from ore

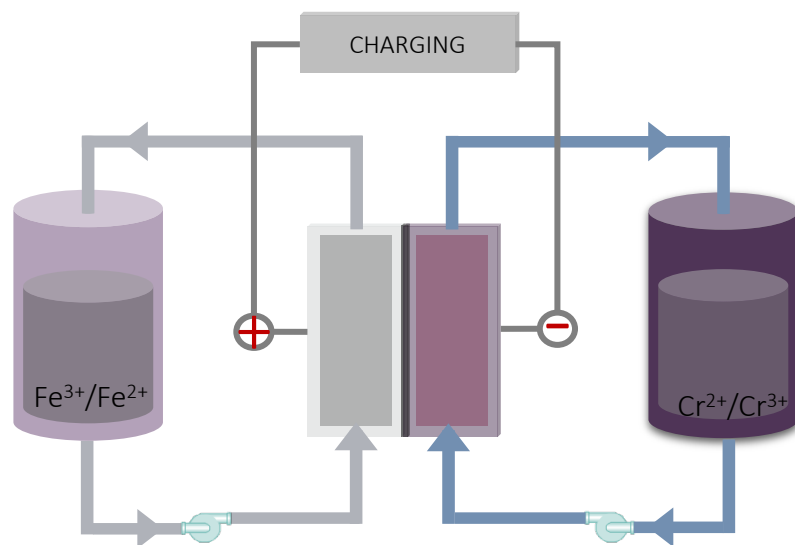






Proprietary stack design for Fe-Cr flow batteries



High-temperature stable solution batteries operate at 50-60C ambient temperature without cooling.

PROVEN TECHNOLOGY & PRODUCTS



-  Fe-Cr electrolyte cost a fraction of vanadium flow battery electrolyte
-  Low-cost stack components and simplified system components
-  Covering the whole manufacturing process from raw material mining to MW storage solutions
-  Low-cost solutions for renewable energy storage

IRON-CHROMIUM FLOW BATTERIES

FROM MINE TO MEGAWATT

Mining



Crushing & Separation



Concentrate



Smelting



Purification



Electrolytes
used in
batteries



LONGEVITY

Built too last

ECONOMIC EFFICIENCY

Cost effecting game changer

SAFETY

Safe to operate and no fire hazard

Direct access to multi-generational

CHROMIUM

SUSTAINABLE

Recyclable

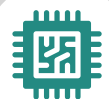
**REDOX ONE
INNOVATION**

DEPLOYED AND WORKING



REDOX ONE ROADMAP

TRIAL PHASE
2023



20 kWh to 200 kWh

DEMONSTRATION PHASE
2024 -2025



200 kWh to 20 MWh

DEPLOYMENT PHASE
2026+



50 to 100 MWh & beyond

Unique & Proven Technology

High-Temperature Stable

**Direct Access To Multi-Generational
Chromium Supply**

Safe, Reliable, Sustainable

Unrivalled Cost

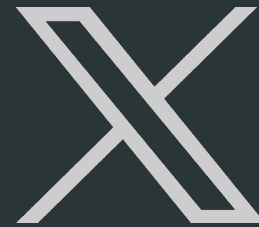
**Strong Investment And Strategic
Partners**

**REDOX ONE
USP**

CONNECT WITH US

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Redox One



AEI Stand C8