



cellcube
BUILDING ENERGY STORAGE INFRASTRUCTURE



Global Leader in Vanadium-Redox-Flow Batteries
Long Duration Energy Storage

“We are CellCube, technology and market leader in the field of sustainable and future-proof energy storage infrastructure...”

“...and it is our dream of making the world a better place. Now and for the generations to come!”



cellcube

Business at a glance

€2.5 Billions+

Addressable flow battery market by 2040



140+

Systems deployed globally

20+ years

Research and development

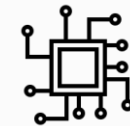


12 MW / 67.3 MWh

Installed / contracted base

10+

Patents

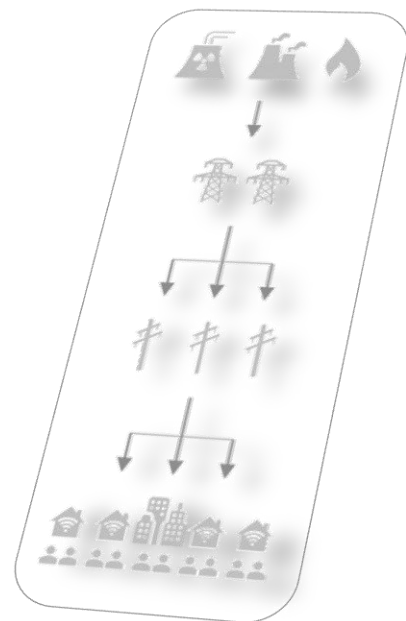


100+

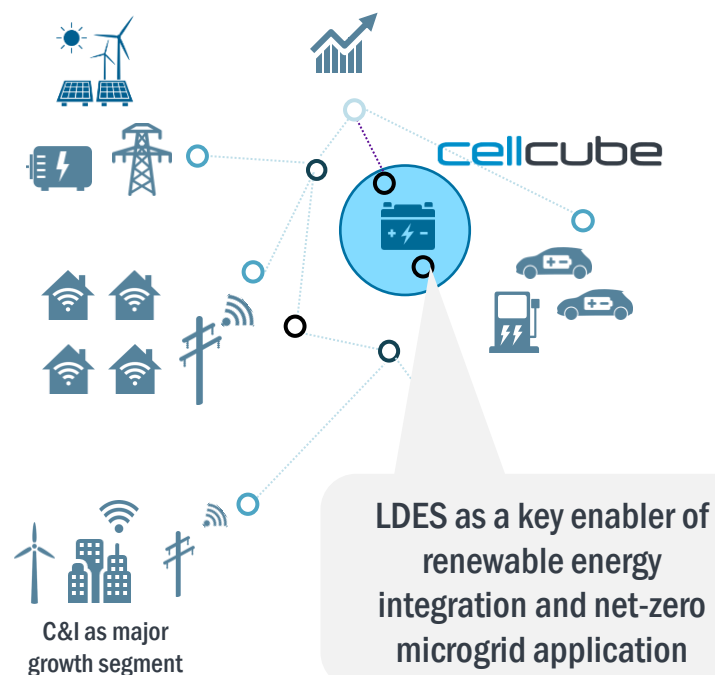
Employees

TREND: The energy ecosystem is Decentralising, Decarbonising and Digitalising

Long Duration Energy Storage is the key enabler of the energy transition

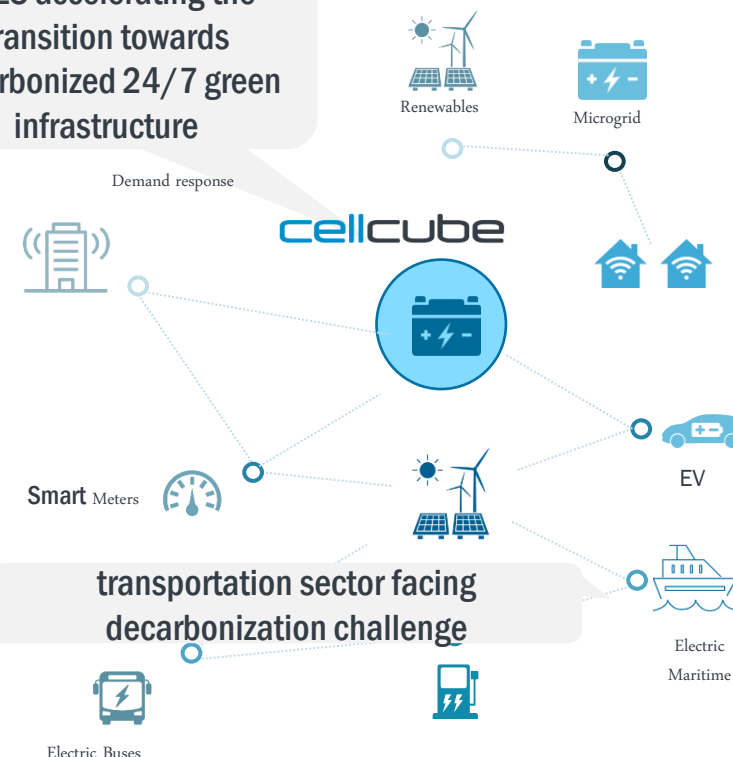


Historical centralised grid



Today's decentralised grid

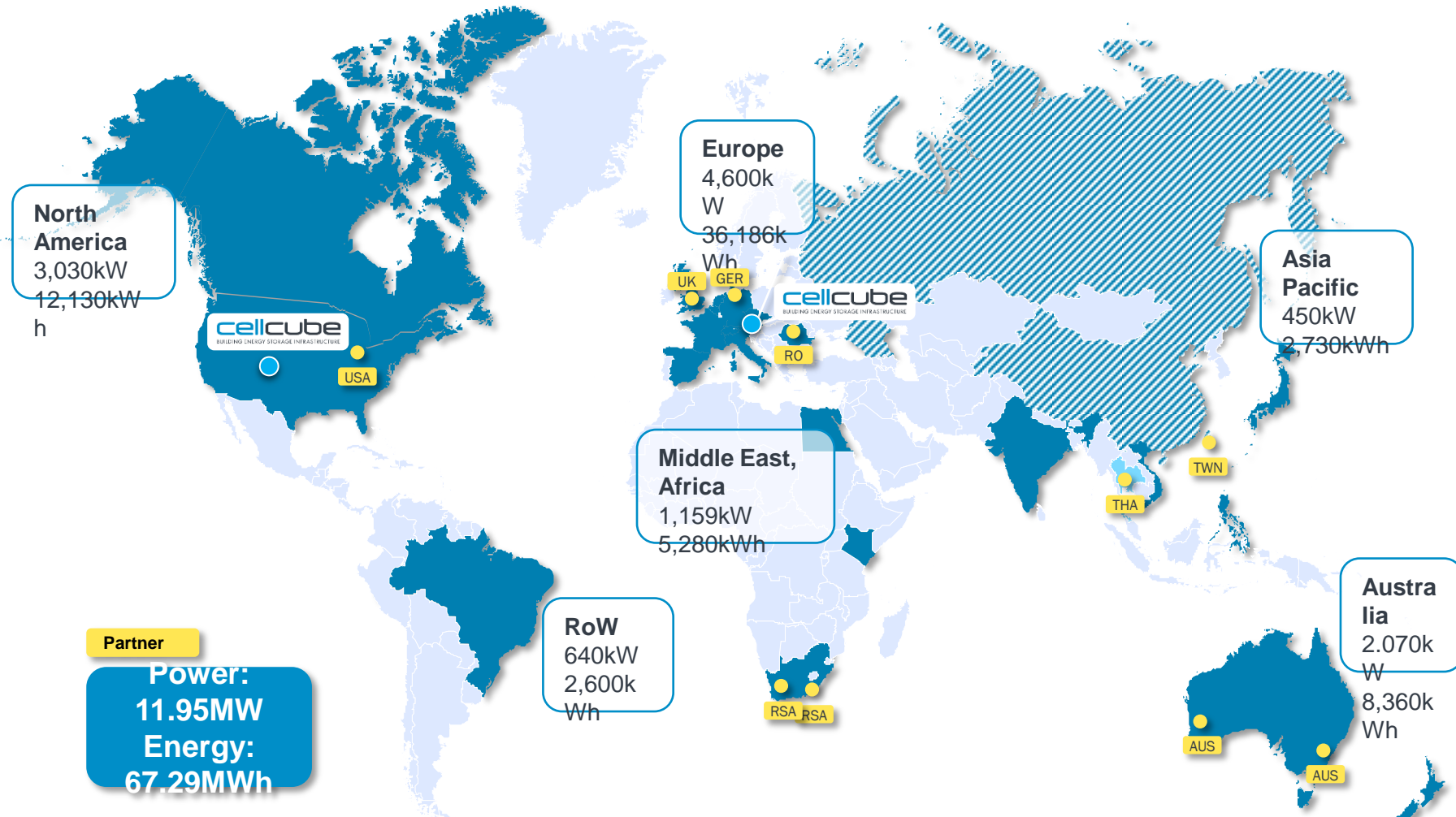
LDES accelerating the transition towards decarbonized 24/7 green infrastructure



Future net-zero neural network



Austrian based & award winning CellCube's has deployed 140+ microgrid systems across the world



We have 140+ systems contracted and delivered in 20+ countries with an **operational success record** involving systems operating for over 10 years without interruption totaling 6m operating hours



CellCube's VRFB technology is proven and bankable for a 25+ years of operation without degradation



Grid Support for energy community, Sweden



Market sector	Critical Infrastructure
Location	Simris, Sweden
CellCube Product	1 x CellCube FB 250-1000
Key Applications	Renewable baseload, Islanding
Rated power / capacity	0,25MW / 1MWh



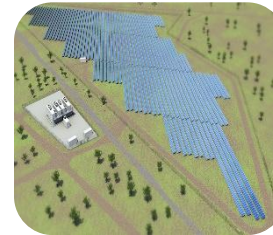
Provider of electric power equipment, Illinois, US

Market sector	Industrial Microgrid
Location	Bolingbrook, USA
CellCube Product	4 x CellCube FB 500-2000
Key Applications	Energy shifting, peak shaving, UPS, frequency reg.
Rated power / capacity	2MW / 8MWh



Power Supply for Island, Uganda

Market sector	Remote Microgrid
Location	Kitobo Island, Uganda
CellCube Product	4 x CellCube FB 15-130
Key Applications	Renewable energy supply, energy shifting, reduced use of diesel genset
Rated power / capacity	60kW / 520 kWh



Mining Plant, South Africa

Market sector	Remote Microgrid
Location	Brits, South Africa
CellCube Product	2 x CellCube FB 500-2000
Key Applications	Energy shifting, renewable integration
Rated power / capacity	1MW / 4MWh



EV charging station, Siberia



Market sector	Commercial Microgrid
Location	Ulyanovsk, Russia
CellCube Product	1 x CellCube FB 30-130
Key Applications	Green e-mobility charging station
Rated power / capacity	30 kW / 130kWh



Organic Aquafarm, Austria

Market sector	Remote Commercial Microgrid
Location	St. Johann, Austria
CellCube Product	3 x CellCube FB 250-2000
Key Applications	Energy shifting, Remote Microgrid
Rated power / capacity	0,75MW / 6MWh



Grid Company – Renewable Integration, Austria >10 years in continuous operation (COD in 2010)



Market sector	Critical Infrastructure
Location	Lichtenegg, Austria
CellCube Product	1 x CellCube FB 10-100
Key Applications	renewable integration, DSM
Rated power / capacity	10 kW / 100kWh



Grid Company on Island, Germany



Market sector	Critical Infrastructure
Location	Pellworm, Germany
CellCube Product	1 x CellCube FB 200-1600
Key Applications	congestion management, grid services
Rated power / capacity	200kW / 1,6MWh

CellCube systems offer a long duration, robust alternative towards a decarbonized, decentral and reliable power security

Green & critical infrastructure

- Maritime
- Data centres
- Water and telecommunications
- Hospital, emergency & military

CellCube can be used within the green & critical infrastructure sectors decarbonizing previously hard to decarbonize sectors like shipping or provide backup power long term

Remote microgrids

- Rural electrification
- Mining
- Island-systems

Remote microgrids are becoming a key source for delivering power to global regions with poor grid infrastructure

Commercial microgrids

- Business parks
- Energy communities
- Logistics & e-mobility hubs

Commercial operations require highly flexible energy storage technologies capable of fulfilling various requirements concurrently

Industrial microgrids

- Agriculture & food
- Processing industry
- Manufacturing industry
- Energy & utilities

Microgrids are commonly used by large industrial companies situated in areas of weak grid, especially in the case where a grid outage will incur significant costs



Electrolyte and battery systems are reusable, part of the circular economy, safe and with low environment impact



Vanadium as by-product of the steel industry

CellCube utilises V_2O_5 (Vanadium pentoxide) in the production of the electrolyte which comes from a mix of iron ore processed for steel production, spent catalysts, vanadium bearing cokes or fly ashes as well as recycled vanadium



Electrolyte is part of the Circular Economy

Electrolyte is stable and does not degrade over time. Min. 97,5 % of the electrolyte from old batteries, can be reused in new batteries indefinitely



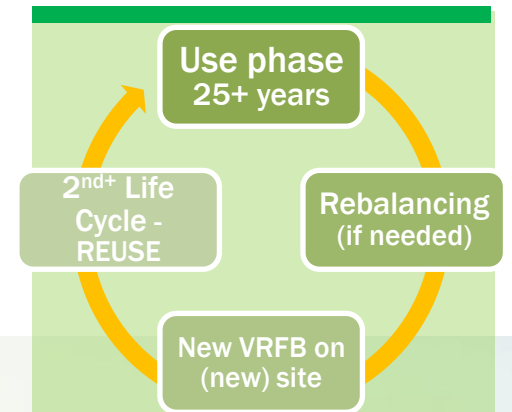
Non rare earth metal or lithium used

Unlike lithium batteries (LiBs), VRFB do not require rare earth metals



Environmentally safe

CellCube has had zero electrolyte spills since inception. CellCube utilises double layered tanks with a guaranteed lifetime of 25 years to store the electrolyte to prevent spillages



End-of-Life treatment of the battery system

After 25+ years (min. lifespan) 85,5% of the whole battery system (e.g., FB500-2000) is reusable at the End-of-life

CellCube is the benchmark in VRFB long duration energy storage technology



MADE BY GLOBAL MARKET LEADER

50%+ market share with 130+ projects globally deployed



EASY TO SCALE

adding power and energy modules when needed



HIGH PERFORMANCE

Industrial grade heavy duty use long-lasting (Up to 30 years and 20,000+ cycles), multi-cycling per day, 100% usable depth of discharge



SUSTAINABLE & REUSABLE

No degradation, 25+ year life, re-usable, local assembly, repair friendly, no rare earths nor lithium, a circular business model



SUBSECOND – 24h DURATION

Future proof - widest range of applications
Supply to meet demand from 0ms to 24hrs



200% POWER OVERRATING

without loss of delivered power



BANKABLE

A+ rated warranty insurance
decades of validation



SAFE

Non-flammable, non-explosible, no leakage, build-in-safety



RELIABLE

10+ years in continuous operation



Disclaimer

This document (the “Document”) with the information contained herein is confidential and proprietary to Enerox GmbH. Without prior permission of Enerox, no person accepting this document will release or reproduce (in whole or in part) this Document, discuss any information contained therein, make representations or use such information for any purpose other than to evaluate a potential involvement in the transaction proposed.

Neither Enerox, nor any of their respective directors, contactors or employees (or those of their affiliates), agents, or representatives shall have any liability or obligation to any recipient of this Document; and hereby disclaim any and all liability for the materials supplied to you, including (but not limited) to the Document and make no representation or warranty in respect of any information supplied to you. By accepting receipt of this Document, you acknowledge and accept this disclaimer and agree that you are relying solely upon your own independent investigation and evaluation of the proposed transaction referred to herein.