



Integrated Micro-Grid Solutions for Commercial and Industrial Power Needs

C&I USE CASES FOR MICROGRIDS

Demand Charge Reduction / Time of Use

Reduce demand charges during short-term peaks and high-rate periods by using stored energy in batteries.

Energy Arbitrage

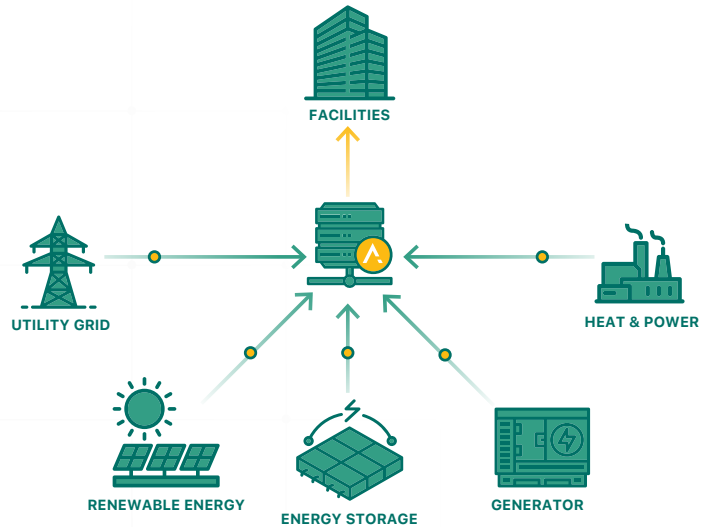
Store energy in batteries when utility prices are low. Sell energy back when prices are higher.

Demand Response

Participate in utility programs to reduce demand during peaks with energy stored in batteries.

Frequency Regulation

Inject and absorb power to help stabilize grid frequency to balance supply and demand with stored energy.



URBAN ELECTRIC POWER

Zn-Mn Batteries Drive Value

Alchemy has partnered with Urban Electric Power (UEP) to bring patented Zn-Mn battery technology to the C&I market



US-centric Supply Chain

Technology is made in the USA, reducing scope 2 emissions and lowering supply chain risks. Qualifies for several incentives in the Inflation Reduction Act.



Sustainable

Battery chemistry has a lower carbon footprint than lithium, lead, or bromine. Zinc and Manganese are abundant – 140 times more zinc than lithium is mined in the world today. 100% recyclable, leveraging existing recycling supply chains for end-of-life cells.



Safe

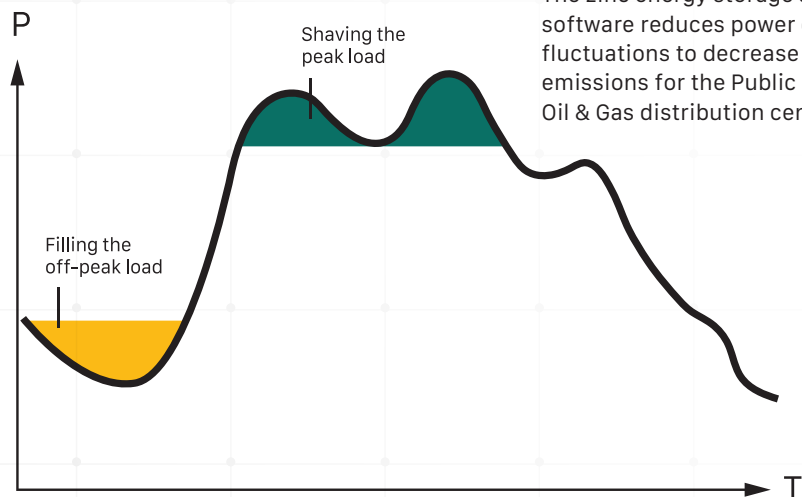
Battery chemistry is inherently thermally stable, fire safe and fully non-toxic, exhibiting no thermal runaway – the safest battery technology option.

CASE STUDY

Energy Storage System Installed in a Retail Gasoline Station to Manage Demand Charges and Achieve ESG Targets



Active Power



The Proof is in the Power

The zinc energy storage system and software reduces power demand fluctuations to decrease costs and emissions for the Public Company Oil & Gas distribution center.

Contact us.

ALCHEMY INDUSTRIAL | 6501 Navigation Blvd., Suite# E1 | Houston, TX 77011 | 832 699 7078 | mk@alchemyindustrial.com