



**GREEN CUBES**  
TECHNOLOGY

Powering industry for more than 25 years

# Lithium Solutions

## Materials Handling



**Lithium**  
**SAFE Flex**

SAVE UP TO  
**65%** →  
ON EQUIPMENT  
OPERATING COSTS  
OVER 5 YEARS

# Five-Year Cost Comparison

Lithium Safe Flex can save you up to 65% on forklift battery expenditures over five years, depending on your cost variables. Below is a typical five-year breakdown.



## YOUR NEXT STEPS

Our engineers can help you identify areas of your operation where Lithium Safe Flex can make the most impact, based on how you use your fleet:

1. We'll compile your cost data to provide a proof of concept. Our analysis will cover number of vehicles, number of shifts, charging information, and major improvements you'd like to see.
2. Once a cost model achieves your target, we'll provide a trial system with monitoring software to validate the savings.

# Not all lithium batteries are created equal.

For over 25 years, Green Cubes Technology has helped OEMs safely convert from lead acid systems to the right lithium technologies for their operations. Among the many providers of lithium solutions, we stand apart for our precision-engineered conversions of hand tools, electric vehicles, hospital systems and telecom towers. Our reputation and years in the business stand behind us to keep us innovating and driving ahead.

## REVOLUTIONARY TECHNOLOGY FOR YOUR WAREHOUSE

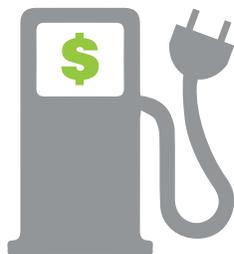
**Lithium Safe Flex** is a comprehensive, self-managed battery solution designed to meet the cost, performance, efficiency and durability requirements of the rugged warehouse environment. It includes application-specific cell chemistry, charge/discharge management, and advanced safety features such as thermal, short circuit, overvoltage and undervoltage protection. All can be remotely controlled and managed through included software.



# Lithium Safe Flex powers your

Lithium Safe Flex boasts a cycle life of up to five times that of lead acid batteries while delivering a consistent output—from installation to the end of its stored capacity. Lead acid systems lose power and operating efficiency over their short cycle life, leading to increased operating cost with decreased performance.

**4X**  
LONGER  
LASTING



**30%**  
HIGHER CHARGING  
EFFICIENCY

Lithium Safe Flex chemistry allows for 98% or higher charging efficiency, which is an average 30% more efficient than lead acid charging technologies—allowing for increased productivity and less power consumption overall.



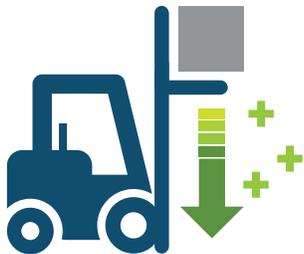
**NO**  
MAINTENANCE  
HASSLE

Lithium Safe Flex solutions are electronically monitored and balanced through their internal BMS module and do not emit dangerous gases or require watering.

# operation longer, for less.



Thanks to its advanced, compact technology, **Lithium Safe Flex** allows you to retrofit up to four times the energy in the space occupied by lead acid batteries.



**Lithium Safe Flex** captures up to 80% more regenerative energy than lead acid systems—avoiding energy waste and providing longer run times with less frequent recharging.



**Lithium Safe Flex** advanced chemistry allows complete recharge in one hour with NO degradation. Lead acid batteries can degrade by 50% if “opportunity charging” is done twice per day.



## ABOUT

Green Cubes Technology is a U.S.-based, engineer-led manufacturer of advanced battery power systems. We develop innovative solutions for leading OEMs in automotive, healthcare, industrial and telecom markets worldwide. Green Cubes Technology has operations in North America, Europe and Asia. Learn more about us at [www.greencubestech.com](http://www.greencubestech.com).

## CONTACT US

Find out more about powering your operation with **Lithium Safe Flex**. Call us or email [info@greencubestech.com](mailto:info@greencubestech.com).

