

Innovative solutions to emerging challenges in Lead Recycling

YOUR **RECYCLING** MANUFACTURER EXPERT





Emerging challenges in lead recycling



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Emerging challenges overview

Rapid growth in almost every industry

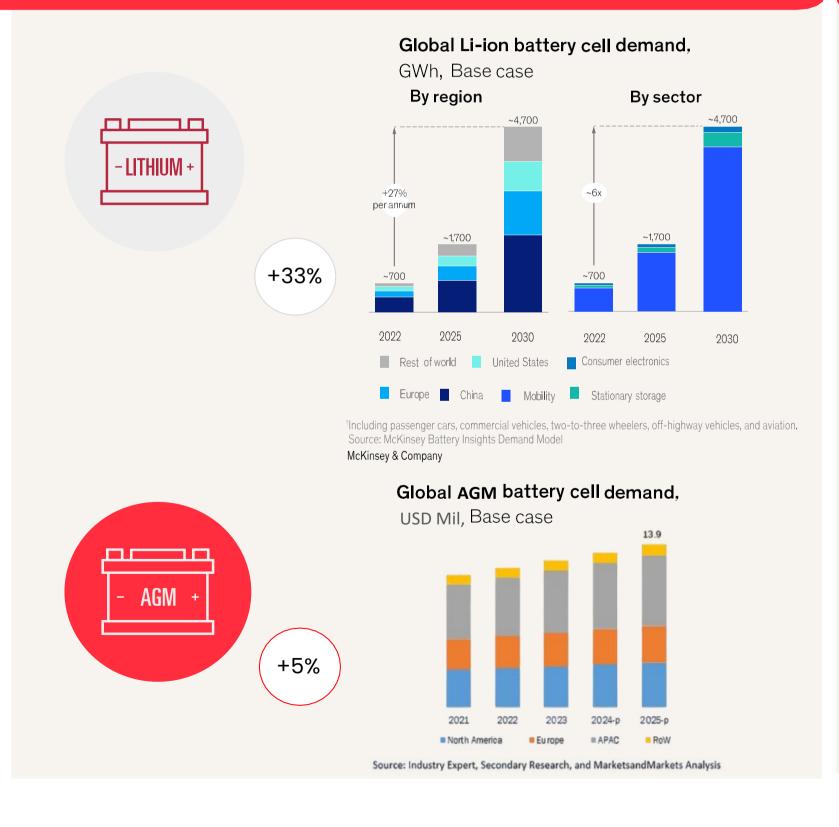
Global Demand expected to increase



- Europe's "Fit for 55" program
- US Inflation Reduction Act
- 2035 ban of internal combustion engine (ICE)
- India's Faster Adoption and Manufacture of Hybrid and Electric Vehicles Scheme.



- Fuel efficiency requirements to 55 mpg by 2025
- Hybrid and non-hybrid models
- Start & Stop technology as key element for new emission reduction targets



Risk for ULAB Recycling



Unregulated management of its collection and separation



Mix with ULAB scrap



Waterproof layer able to retain and absorb Pb Paste



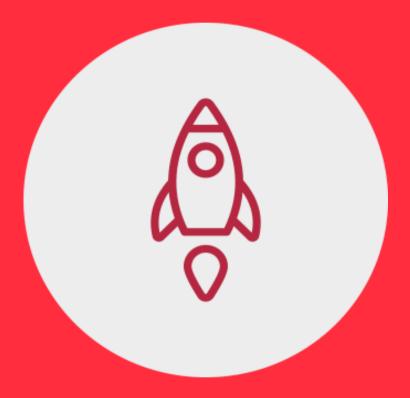
Reduced recovery of Pb Lead Creates problems for machinery efficiency





LITHIUM GUARD AI VISION INTEGRATION

PERFORMANT



Maximum precision to detect down to a 2 cm dimension in every shape kind

TECHNOLOGICAL



Visual Al Traceability
with an ultra detecting
speed up to
6 m/sec = 60 TPH
of scrap

FLEXIBLE



Plug&play solution 24/7 operativity

Al Dashboard to monitor and optimize the input flow with trend/cost analysis and definition

COST-EFFECTIVE



Rent solution starting from 30k € / year = FTE

AI VISION EVOLUTION AI LINE MONITORING







POWER WASH

PERFORMANT



High pressure separation process enhanced by the NEW GME honeycomb vibrating screen designed to extract the lead while transporting the AGM

TECHNOLOGICAL



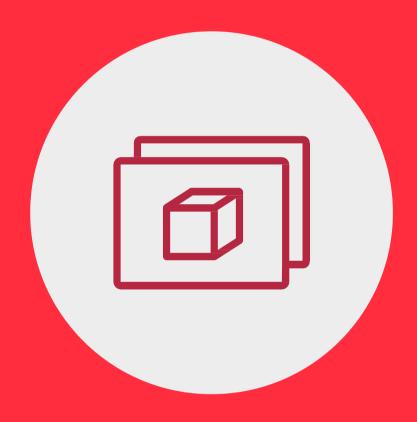
6,5 bar Ultra pressure
system to fragment the Fiber
ceramic into smaller pieces
to get free from the
metallic fractions and
prevent the SWAB effect

FLEXIBLE



No need to preselect and extract from the Mix the AGM portion

DESIGN



Nozzles designed with a 48° Water Blade System fully in Stainless Steel







2 Get ready for the lottery!

INTERNATIONAL LEAD CONFERENCE Pb 2023

XXXXX





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3 Q&A





Thanks!!

Do you have any questions? office@gme-recycling.com +39 039 596 1249 www.gme-recycling.com

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