



Lead batteries provide the essential link every day in Europe: **connecting, protecting, and powering our way of life.** Without them modern life would grind to a halt. Advanced lead batteries are fully recycled in a closed loop and are used across a wide range of industries and in many applications. Here are some examples:



## Transport

- Cars and light vans – start-stop, hybrid and electric vehicles
- Commercial vehicles
- Motorcycles
- Electric-bikes
- Buses
- Golf carts
- Trains
- Snowmobiles



## Renewable energy

- Wind energy storage
- Solar energy storage
- Grid stabilisation

## Medical

- Hospital power back-up
- Ambulances
- Wheelchairs
- Emergency lighting systems



## Communication networks

- Mobile phone base stations
- Telecommunication central office and exchanges
- Network back-up
- Backhaul network



## Utilities, industrial and residential power

- Grid-scale storage
- Microgrids
- Smart grids
- Off-grid
- Frequency regulation
- Load levelling
- Peak load shifting
- Peak load shaving
- Tariff management
- Time shift/storage
- Residential and small commercial energy storage
- Remote area power
- Charging stations for bicycles and cars
- Mobile power units





## Agriculture

- Tractors
- Lawn and garden mowers
- Harvesters
- Combines
- Balers
- Sprayers
- Utility vehicles
- Lawn and garden power tools



## Aerospace and defence

- Submarines
- Tanks and other military vehicles
- Aircraft
- Logistical support systems
- Communications systems



## Logistics and warehousing

- Forklifts
- Pallet trucks
- Automated guided vehicles
- Ground support equipment
- Floor cleaning equipment
- Ice machines



## Data centres

- Cloud data centres
- Managed services data centres



## Security and public safety

- Police vehicles
- Fire trucks and fire support vehicles
- Weather stations
- Standby electrical power in critical emergency systems
- Uninterrupted power supply for hospitals
- Emergency communication systems
- Emergency lighting systems
- Air traffic control



## Marine and watersports

- Tankers
- Ferries
- Lighthouses, buoys
- Boats, cruise ships and yachts
- Jet skis, pleasure craft