

Air Liquide solutions in the life cycle of lithium batteries

ECO ORIGIN
Low carbon footprint gas produced with 100% renewable energy

Recycling and Refining

CO₂ O₂ N₂ Ar

- Pyrometallurgy and Combustion
- Inerting for Quality and Safety
- Carbonation and Purification of Lithium
- Cryogrinding / Grinding
- pH control

Mining and Refining

CO₂ O₂ N₂ H₂

- Carbonation and purification of Lithium
- pH control

Production of active materials

N₂ O₂ CO₂

- Inerting for Quality and Safety
- Sintering and Annealing
- Synthesis of Solvents

Cell assembly

N₂ Ar He

- Inerting for Quality and Safety
- Atmosphere Control
- Leak Tests
- Arc or Laser welding

Integration into the vehicle

Ar N₂

- Arc or Laser welding



⚡ Usage