



Progress beyond

# COP26 HOW DOES SOLVAY ENABLE CLEAN MOBILITY?



**COP26** has made climate neutrality an absolute priority. The summit emphasizes the importance of the European recovery plan and its focus on zero-emission mobility, as well as US and Chinese legislation to promote the use of electric vehicles and cleaner mobility at large.

**Let's find out what Solvay does to enable clean mobility.**



## ELECTRIC VEHICLES: A **UNIQUE VANTAGE POINT**

Solvay's contribution to the electric and hybrid vehicle value chains is one-of-a-kind:

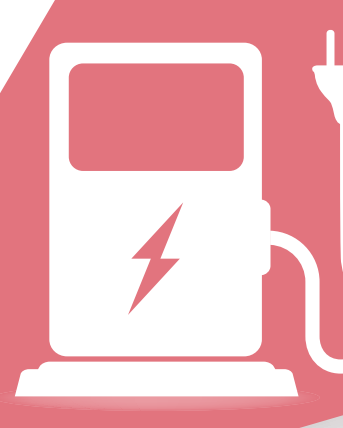
**Optimised extraction and purification** of critical metals, turning them into high-purity raw materials for new batteries.

Solutions creating **lighter vehicles** that require less fuel and reduce CO<sub>2</sub> emissions.

**High-performance materials** for lithium-ion batteries e.g. salts, additives and speciality polymers.

### DID YOU KNOW?

Solvay's metal extraction solution can recover more than **95% of cobalt, nickel and lithium** from end-of-life batteries.



## STRIVING FOR **CONTINUOUS IMPROVEMENT**

A large part of Solvay's customers are in the transportation sector. We offer a very broad portfolio of innovative material solutions for clean mobility, including energy-efficient electric motors, electric drive systems, and power electronics in e-mobility.

Lightweighting

Powertrain efficiency

Improved energy density and safety

More efficient and greener tires

To ensure continuous innovation, we also drive **three dedicated growth platforms** to advance clean mobility:

1  
Leading the way to sustainable batteries of the future

2  
Accelerating innovation in thermoplastics composites for lightweighting

3  
Launching a Green hydrogen Platform



## A STRONG AMBITION TO GROW

Our four building block-strategy in Li-ion materials for batteries will ensure continued growth over the coming years.

**BUILD ON STRENGTHS** on products where we have technological leadership

**ACCELERATE DEVELOPMENT** of products that can deliver revenues in 5 years or less

**INVEST FOR THE FUTURE** new class of materials in line with the industry roadmap

**EXTEND THE SCOPE** in the value chain of batteries to mining, refining and recycling

### DID YOU KNOW?

The combination of Veolia's recycling process and Solvay's extraction of critical battery metals produces **high-purity salts** and closes the battery metals recovery loop.

## **STRONG BONDS** TO INNOVATE

We partner with Veolia and Renault to create a circular economy consortium enabling the production of circular EV batteries. Our unique chemical refining process extracts and transforms critical materials and complements Veolia's process to unlock the full metal value contained within spent batteries. This is reinforced by Renault's ability to repair first-life batteries, develop second-life applications for energy storage and set up a battery collection and recycling system.



Chemistry and scientific innovation are key to providing solutions to OEM's challenges, promoting Clean Mobility and creating a closed-loop process for the EV batteries of the future.

Solvay is at the heart of the most innovative solutions for clean mobility.

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