

key driver to reduce greenhouse gas emissions to net zero globally by mid-century. Solvay is committed to play its part in reaching this

The COP26 summit has highlighted Clean Mobility as a

ambitious climate target.



# Growing concerns about sustainability and stringent regulations on

more energy-efficient solutions. And Solvay is in the driving seat... **AMODEL® BIO PPA** 

CO, have led the automotive industry to develop cleaner, safer and



Sustainable polymer

potential with partially **SOLVALITETM** bio-sourced products made Thermoset of 100% renewable composites enabling energy lighter and more energy-efficient vehicles / 100 million such cars = 100bn kg of CO, saved

## turbocharged engines

KETASPIRE® PEEK

Lightweight

= less CO<sub>2</sub> emissions through increased drivetrain technology

## vehicle emissions regulations = over **90% of exhaust**

**OPTALYS®** 

Inorganic oxygen

buffer helping industry

meet more stringent

pollutant reduction

**SW PREMIUM** 

**RANGE** 

Sustainable tires

with reduced

16Mt of yearly CO, savings

LIFTING OFF FOR A MORE SUSTAINABLE

**AEROSPACE FUTURE** 

In the aerospace market, there is high demand for advanced solutions

to accelerate build rates at a lower cost and produce lighter, more

Using Solvay's composite materials instead of aluminium can reduce

### 1.67Mt of CO savings over vehicle lifecycle

**SOLEF® PVDF** 

A polymer enabling

better and more

durable Li-Ion

batteries = up to

## maintenance hours by 44% to 65% and cut CO<sub>2</sub> 50% emissions by 2050. **APC CYCOM®**

-25% fuel structures / Thermoplastic consumption and composites enabling up to 79Mt of CO, circular economy emission savings for aircraft lifecycle 

fuel-efficient aircraft.

Lighter aircraft

structures = up to

a number of vehicles.

Inherently recyclable,

lighter and safer aircraft

**HALAR**® Lighter and more engines = CO, emissions reduced by 15% compared to traditional engines

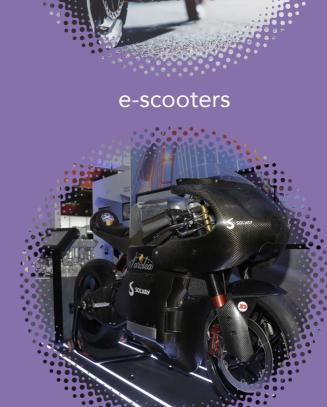
# manufacturing costs compared to metal, our materials and solutions have an important role to play in urban clean mobility. They can be used for primary and secondary structures and non-structural parts in

CONTRIBUTING TO NEW MOBILITY SOLUTIONS

With their ability to significantly reduce both weight and



e-bikes



e-motorbikes

More than half of Solvay's portfolio is now solidly positioned as Sustainable Solutions with sales generated in markets related to strong sustainability trends including clean mobility.

Clean Mobility is here, it's real and it's now. And Solvay is ready.