



SOLVAY ONE PLANET



EDITORIAL



With Solvay One Planet, we are taking a truly holistic approach to Sustainability. In addition to improving sustainability in our portfolio, operations and workplace, we will take into consideration our impact on the entire value chain, from sourcing to customers and recycling. That's how we are going to enhance our positive impact on some of the most pressing planetary issues. That's also how we will pave the way for a circular economy.

Solvay One Planet is our roadmap to drive sustainable superior long-term value creation for all stakeholders. Because for us at Solvay, "One Planet" means that we are all in this together.

"With Solvay One Planet, we are bringing truly sustainable solutions to customers across the entire value chain."

Ilham KADRI
President of the Executive Committee and CEO

This holistic vision is based on three pillars, representing where we can - and already do - have the biggest impact on the planet we will leave for future generations: Climate, Resources and Better Life.

To bring our vision and ambition to life, we have defined a set of 10 measurable commitments associated to concrete actions, programs and projects. And, since sustainability starts with us, these projects and programs also include our No. 1 sustainability ambassadors: our own employees.

I'm convinced that every single one of us can make a difference. Together, let's make sure that we leave this One Planet we live on a better place for our children and for future generations.

CONNECTING THE DOTS BETWEEN BUSINESS AND SUSTAINABILITY

Promoting sustainability within our portfolio, our operations and the workplace in order to drive superior long-term value creation for all stakeholders.

SOLVAY ONE PLANET articulates our sustainability agenda around the three pillars: **Climate, Resources and Better Life**, with a set of concrete actions and ten measurable goals to be achieved by 2030^(*):

CLIMATE

-26%

of greenhouse gas emissions to align with the well below 2°C temperature increase (2015 Paris Accord)

100%

of coal phase out in energy production wherever renewable alternatives exist

-30%

of pressure on biodiversity in areas including climate change, terrestrial acidification, water eutrophication and marine ecotoxicity

CONTRIBUTES TO:



RESOURCES

65%

of total Group sales from Sustainable Business Solution

15%

of total Group sales from renewable or recycled resources - leveraging circular economy

-30%

of non-recoverable industrial waste, landfilled or incinerated without energy recovery

-25%

of freshwater intake

CONTRIBUTES TO:



BETTER LIFE

45%

of women as senior and middle managers

50%

of women in senior leadership

16 weeks by 2021

Gender equality for extended parental leave

ZERO

accident policy

CONTRIBUTES TO:



PRODUCTS

CLIMATE



FIGHT AGAINST CLIMATE CRISIS

SAVING ENERGY CONSUMPTION WITH MAX HT®

Allows on average a reduction of 2 Mt CO₂ for the total alumina production from 20 plants - about the same as 20% of Brussels's emissions.

AIRCRAFT FUEL EFFICIENCY WITH CYCOM®

Allows on average 1.9 Mt CO₂ eq reduction per year - about the same as the emissions of 264,000 European citizens, or 115,000 American citizens.

SODIUM CARBONATE IN DOUBLE GLAZING

Thanks to Solvay's Sodium Carbonate we save 90 times more in CO₂ emissions during its application in double glazing window than emitted during its manufacturing process.

RESOURCES



EMBED CIRCULAR BUSINESS

DURABLE OUTDOOR SPORTS FIELDS WITH CYASORB UV-3529 HALS®

Conversion of one grass field by artificial turf field saves a bit more than one olympic swimming pool a year and is equivalent to water yearly consumption of a bit less than 1,000 American citizens.

REDUCE FUEL CONSUMPTION WITH ECO TYRES - PREMIUM SW

Increasing the mileage by 25%, applied to the US personal car replacement tyre market, would decrease the resource harvesting by about 500 kt each year, volume equivalent of 200 olympic swimming pools a year if it was water.

BETTER LIFE



IMPROVE QUALITY OF LIFE

CLEANER AIR WITH SOLVAIR®

The air we breathe is growing dangerously polluted: nine out of ten people now breathe polluted air, which kills 7 million people every year.

HEMODIALYSIS MEDICAL DEVICES WITH UDEL®, VERADEL® AND BICAR®

About 2.7 million patients worldwide are treated for chronic kidney failure through Hemodialysis, mostly in clinics.

ASEPTIC PACKAGING WITH INTEROX® AG

Increased food shelf life, disinfection reducing the risk of germ borne diseases.

PROJECTS

CLIMATE



WOOD POWER AT RHEINBERG SITE



- **190 kt CO₂ emissions per year**, about the same as **25,000** European citizens

AGREEMENT WITH A SOLAR FARM IN SOUTH CAROLINA, USA



- **80 kt CO₂ emissions per year**, about the CO₂ emissions of **10,000** European citizens

EMPLOYEES' VOLUNTARY ACTIONS DURING CITIZEN DAY

168 sites, representing **94%** of all Group employees volunteered to take part in concrete, locally run projects working closely with local charities and associations, administrations and NGOs to help preserve the environment.

RESOURCES



SATELLITE PEROXIDE PRODUCTION - MyH2O2™

Transforming existing, non-used raw materials into H₂O₂, minimizing energy consumption and eliminating long distance transportation needs. Elimination of the supply chain and the process redesign result **(-13) kt CO₂** per year. Minimizing energy consumption (**45%** reduction compared to conventional process).

CIRCULAR ECONOMY: ACCELERATE ELECTRIC VEHICLES BATTERIES METAL RECYCLING WITH CYANEX®

The lithium-ion battery metals recycling market value is anticipated to grow to 10 billion dollars by 2030.

EMPLOYEES' ACTIONS WITH THE STOP OFFICE WASTE PROJECT

All Solvay employees will reduce single use plastics, eliminate paper consumption and adopt zero food waste behaviors.

BETTER LIFE



INCLUSIVE BUSINESS WITH THE SUSTAINABLE GUAR INITIATIVE



7,300 farmers enrolled including **1,500 women**, **59,000 trees planted** in the agroforestry programs

SAFER ALTERNATIVES FOR MARKETED PRODUCTS

Analysis of safer alternatives are planned for a total of 128 combinations of products/applications containing SVHCs

EMPLOYEES' SOCIETAL ACTIONS

Each year, all Solvay employees participate in societal actions or projects that serve society.

SOLVAY ONE PLANET

OUR AGENDA TO CREATE A SUSTAINABLE AND
SHARED VALUE FOR ALL



CLIMATE



RESOURCES



BETTER LIFE

SOLVAY WALKS THE TALK



- ENVIRONMENTAL
AND SOCIAL
PERFORMANCE
- EMPLOYEES ACTIONS
FOR IMPACT

SOLVAY'S CONTRIBUTION TO SOCIETY



- BUSINESS
PERFORMANCE

