

# CHEMICALS

As a large emitter of greenhouse gases, the chemical industry is facing intense pressure to reduce its environmental footprint. At the same time, as an energy-intensive industry, it is disproportionately impacted by the volatility in the energy and resources markets. CEOs are, therefore, looking to sustainable business models and materials as a resilience booster and growth path.

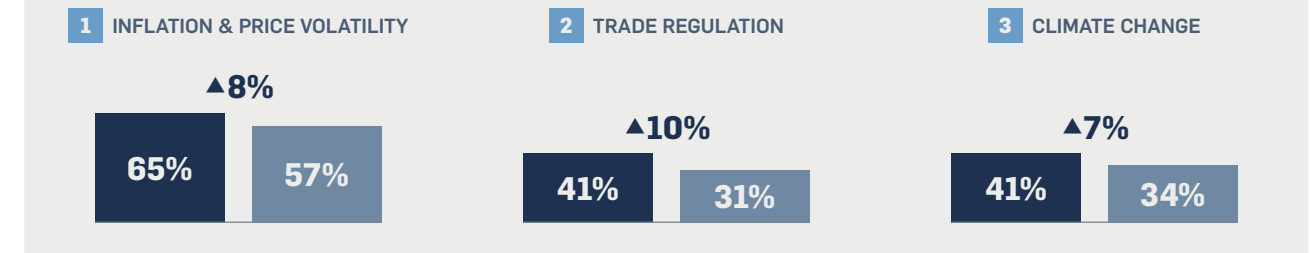
**“Climate neutrality, nature conservation, and social inclusion are critical for business. This is a transformational paradigm shift in business management, and we need to move from ambition to action.”**

Ilham Kadri,  
CEO and President of the  
Executive Committee of Solvay



## THE MOST PRESSING CHALLENGES

■ CHEMICALS ■ CROSS INDUSTRY



## CURRENT LANDSCAPE

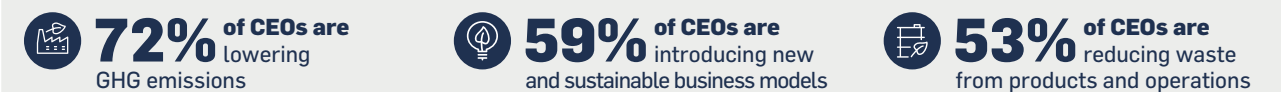
### TOP RESILIENCE ACTIONS FOR CHEMICALS CEOS



Digitization, new technologies, and innovations across the sector are at the heart of the sustainable transformation of the chemicals industry. Actions such as embedding software-connected components into the manufacturing system help to better identify risks and decrease material waste, while investing in new materials with lower-emission footprints helps the industry decarbonize. In particular, plastics producers are developing new reusable and recyclable materials, addressing public scrutiny over plastic pollution. To enable these industry shifts, chemical CEOs are taking a people-first approach, upskilling and reskilling employees to develop expertise in sustainable production processes to ensure that their R&D and technology investments are implemented quickly and effectively.

## WHERE IS THE INDUSTRY GOING?

### TOP SUSTAINABILITY PRIORITIES FOR CHEMICALS CEOS



The demand for green alternatives to traditional chemical products will continue to grow, as companies face increasing consumer and regulatory pressure. As Sarfaraz Ahmed Rehman, Managing Director and Chief Executive Officer of Fauji Fertilizer Company Limited, (FFC), states, “The reality is we don’t know if our industry will exist in 30 years’ time. We need to pursue a path of adaptability in a rapidly changing world.” To contend with this shift, chemicals CEOs are exploring new ways to harness renewable energy to fuel chemical processes for the short term, while looking towards larger-scale shifts, such as advanced recycling and circular business models, for the long-term. Not only will this unlock new avenues of sustainable growth for the chemicals industry, but will also accelerate overall sustainability transformation in other industries as chemicals are a core component of most materials.

## TRANSFORMATIVE INNOVATIONS

