

## The chemical industry is at the forefront of the net zero revolution

#### Formula for Success

The Industry of Industries Chemical products make up over 95% of all manufactured goods - vital for food and medicines or materials for mobile phones and electric vehicle batteries to

The problem solver Chemical sciences are key to solving the world's

The critical enabler We are a staunch promoter of innovative solutions and ambitious targets to ensure net zero for all sectors

The economic contributor Critical to the Government's of value to the UK economy.

THE UK CHEMICAL INDUSTRY IS ON ROUTE **TO HALVE EMISSIONS BY 2034** IN ITS JOURNEY TO NET ZERO BY 2050





Climate Change Committee's 6th Carbon budget

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The fight against climate change cannot be won without our industry's products and solutions. We support and deliver a more business-friendly policy environment. This should start now with a green light for all UK regional carbon capture projects and taking a fresh look at the nation's energy policy which continues to disadvantage the very industries that are essential in delivering on both levelling up and net zero.

Steve Elliott Chief Executive, Chemical Industries Association

#### **Delivering the Solutions** What we need from government

#### Design a long-term, joined-up net zero policy framework Carbon pricing is effective when it creates certainty for investors

that new technologies will yield a return. This requires clear, consistent, long-term policies, a predictable price signal, support for innovative clean technologies and most importantly, a level playing field with competitors internationally.

## Empower energy and resource efficiency

Continuously improving the efficient use of energy and materials is a critical driver in the creation of a net zero and circular economy, with investments helping support the transition.

### Protect industry through its transition

Effective, long-term and predictable carbon leakage protection will be fundamental, as UK businesses adopt manufacturing methods that come with a 'green premium'. Essential elements include minimising non-wholesale energy costs and a level-playing field on carbon pricing.

#### Build a world-leading net zero energy system Access to secure, reliable and competitively priced sources of zero

carbon energy to allow UK manufacturers to switch to clean fuels, the roll-out of clean electricity coupled with investible hydrogen and carbon capture and storage business mode will be key.

#### Lay foundations for new circular economy Reliable access to sustainable raw materials

that will form the basis of a new circular economy, are essential to enable the sector to develop the advanced materials needed for a climate friendly world.

#### Simplify the policy mix

There has been a proliferation of industrial energy and climate change policy over time. Multiple overlapping policies complicate and undermine investment decision-making and can create perverse incentives.

Streamlining these schemes will support the UK's decarbonisation, making it simpler for businesses to invest in the UK.



Johnson Matthey

# The Hydrogen Climate Solution

# How are we achieving net-zero?

# How are we improving everyday lives?



**Bringing sustainable** 

# fashion to life



# How are we improving everyday lives?



## Enabling CO<sub>2</sub> savings for cars and aircraft



# and Utilisation Plant

**UK's largest Carbon Capture** 



# How are we achieving net-zero?

How are we improving everyday

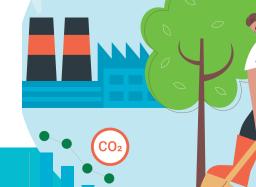
# lives?



- solutions for a cleaner, greener society. We are an essential enabler and driver of net zero for all sectors, especially automotive,
- transportation and pharmaceuticals. Not only are chemicals essential components to energy-saving products but cutting emissions and
- transforming chemical production have a huge impact globally and can transform the world around us. We have an important role to play in moving to low-carbon
- plastics to reduce vehicles' energy consumption and insulating materials for buildings. It is through our industry's innovation and technology that will allow other companies and sectors to decarbonise, deliver the UK's net zero ambitions and

ultimately, combat climate change.

economies - providing coatings for solar panels, lightweight



For further information please visit: