

A young boy with a joyful expression is standing in a field of tall, golden-brown grass. He is holding a large, diamond-shaped kite with blue and green panels. The kite is positioned above his head, and he is looking up at it. The background is a bright, clear sky, suggesting a sunny day. The overall scene conveys a sense of freedom, nature, and childhood.

# EUROPEAN MID-CENTURY STRATEGY FOR A SUSTAINABLE CHLOR-ALKALI INDUSTRY

euro  
**chlor** 17.

A sector group of Cefic 

A relatively simple chemistry  
with big implications



You only need salt, water and electricity to make  
chlorine and caustic...

Many hundreds of products to help keep us safe,  
healthy and comfortable...

Chemical building blocks for a safer, stronger and more  
sustainable Europe...

# Global efforts to achieve UN Sustainable Development Goals

Chlor-alkali  
can help.



# A relatively simple chemistry with big implications

Chlorine cannot be easily transported – must be made and used locally

Industry employs 6,600 people directly but supports millions of jobs

Industry works together under its trade association, Euro Chlor

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Euro Chlor is proud to present its  
vision for 2050 to ensure European  
chlor-alkali remains **safe, competitive**  
and **green**

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# Euro Chlor 2050 vision



## SAFE. COMPETITIVE. GREEN.

Towards a safe, competitive,  
climate neutral and circular  
European chlor-alkali industry.

**2050**



### Safety leader

Remain a leader in safety by continuously delivering outstanding performance throughout the value chain, including contractors, transporters and customers.



### Competitive supplier

Regain long-term international competitiveness and aim for continuous growth in demand for chlor-alkali products.



### Climate neutral player

Contribute to Europe's Green Deal through climate neutral production and by facilitating the energy transition.



### Circularity champion

Facilitate cradle-to-cradle usage and recycling of the chlorine atom. Drive circularity in the chlorine production process.

# Euro Chlor 2050 mission

**2020** \_\_\_\_\_ **2030**

Euro Chlor... a safe and competitive supplier of chlor-alkali products and an integral part of Europe's climate neutral and circular economy transition.

\_\_\_\_\_ **2050**

# Euro Chlor vision

## 4 main elements selected

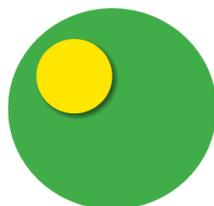
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The European chlor-alkali industry's vision is towards a *safe, competitive, climate neutral* and *circular* industry

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Safety leader



Competitive supplier



Climate neutral player



Circularity champion

# Euro Chlor as a safety leader by 2050

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# Priorities for Euro Chlor as a safety leader

- ✓ We are committed to ensuring that our colleagues return home safely every day
- ✓ We are already sharing safety information but more can be done
- ✓ By 2050
  - ✓ Target zero incidents in our industry
  - ✓ Further share safety experience with everyone who sells/handles chlor alkali products
  - ✓ Collect data to help authorities ensure that imported chlor-alkali products meet high safety standards

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## WHY ?

Because every incident involving chlor-alkali is one too many

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Euro Chlor as  
a competitive supplier  
by 2050

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# Priorities for Euro Chlor as a competitive supplier

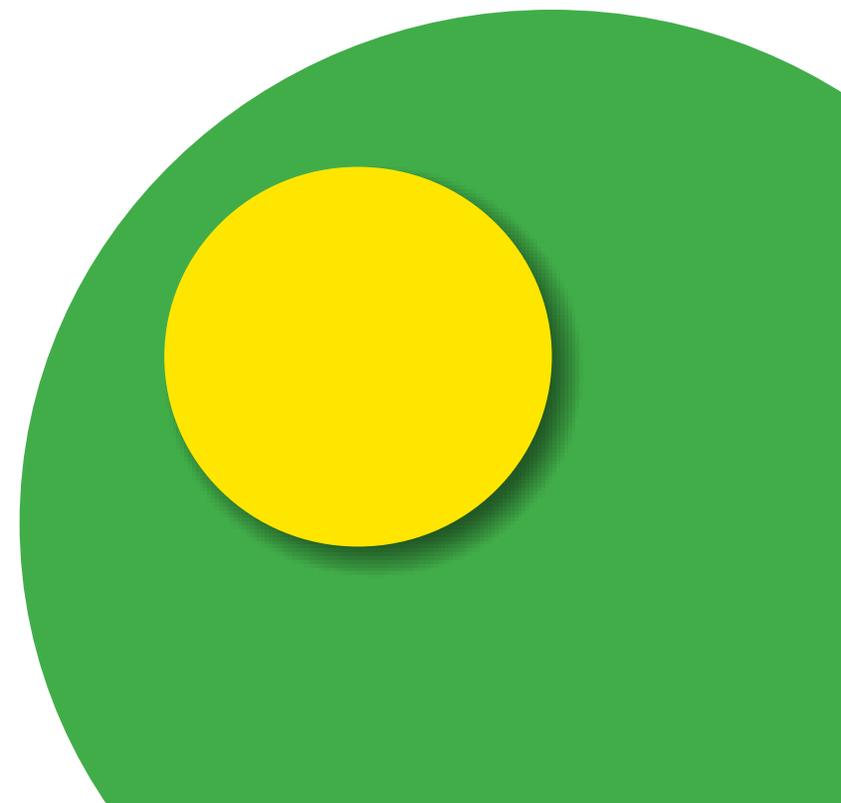
- Part of a global community with essential need for electricity
- Global drive to reduce emissions and use climate-neutral energy
- Risk from other regions which may not share Europe's drive for climate-neutral energy?
- By 2050
  - Work with decision makers to supply them with data on our industry's needs whilst supporting green ambitions
  - Work to make our industry an attractive place to work

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## WHY ?

Because we make essential building blocks for Europe, so let's keep us producing here

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# Euro Chlor as a climate neutral player by 2050

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# Priorities for Euro Chlor as a climate neutral player

- Large improvements in energy efficiency by our industry
  - Now reaching limits of what is possible under the laws of physics
- Work to support Europe's transition to climate-neutral energy sources
  - Increase electrification means we cannot do this alone
  - Changes to electricity grid – Could chlor-alkali balance here?
- By 2050
  - Work to use all hydrogen we produce (production of hydrogen from water electrolysis using our expertise)
  - Collect information on innovative technologies to improve energy efficiency
  - Investigate how we can balance the electricity grid

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## WHY ?

Because we only have one planet so  
let's work together to protect it

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# Euro Chlor as a circularity champion by 2050

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# Priorities for Euro Chlor as a circularity champion

- True circularity limited from our industry
  - Must find ways to achieve green ambitions
- By 2050
  - Work with customers to identify ways to increase recycling of chlor-alkali products
  - Investigate ways to reduce waste and use all raw materials efficiently

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## WHY ?

Because resources are scarce so we cannot afford to waste anything

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## Next steps?

- ✔ Our industry's contribution to the European Green Deal
- ✔ Work with authorities and other sectors to achieve green ambitions
- ✔ Euro Chlor will guide and monitor progress here
- ✔ We do not claim to have all the answers but we are ready to play our part

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By working together we can ensure that **safe**, **competitive** and **green** chlor-alkali is available for Europe into the second half of this century

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