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

Euro Chlor is proud to present its vision for 2050 to ensure European chlor-alkali remains safe, competitive and green
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... a safe and competitive supplier of chlor-alkali products and an integral part of Europe’s climate neutral and circular economy transition.
Euro Chlor vision
4 main elements selected

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

- Safety leader
- Competitive supplier
- Climate neutral player
- Circularity champion
Euro Chlor as a safety leader by 2050
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

**WHY?**
Because every incident involving chlor-alkali is one too many
Euro Chlor as a competitive supplier by 2050
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

**WHY?**

Because we make essential building blocks for Europe, so let’s keep us producing here.
Euro Chlor as a climate neutral player by 2050
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

**WHY?**

Because we only have one planet so let’s work together to protect it
Euro Chlor as a circularity champion by 2050
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

**WHY?**

Because resources are scarce so we cannot afford to waste anything
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

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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