

Matías Ordinas
Tecnología para el Tratamiento de
Superficies con Criterios de Sostenibilidad

A STRONG FOUNDATION TO LEAD INTO THE FUTURE



- Established in 1922
- Growth based on investment
- Sustainability is our future
- Voice of the customer
- Investments in equipment and wastewater solutions
- Portfolio of environmentally conscious processes



Market-Leading Sustainable Technologies



Global OEM Network



Enhanced Technical Support

A STRONG FOUNDATION TO LEAD INTO THE FUTURE



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Global OEM Network



Enhanced Technical Support

Portfolio

The Industrial Solutions division comprises individual product line groups, providing flexibility to serve industries as diverse as automotive and PET recycling

- SURFACE CONDITIONING
- ANTI-CORROSION
- DECORATIVE/POP
- LIGHT METAL SYSTEMS
- ELECTROLESS NICKEL
- HARD CHROME
- PET RECYCLING
- PRECIOUS METAL
- ANCILLARY EQUIPMENT

Surface finishing by its very nature, is a sustainable process



Applying a very thin film on relatively inexpensive and readily available material vs the use of exotic alloys is a sustainable practice.



Surface finishing allows the use of lighter materials that improve fuel efficiency and reduce carbon footprints.

UNITED NATIONS SUSTAINABLE DEVELOPMENT GOAL ALIGNMENT



Environmental Stewardship

- Increased our total renewable energy by **40% since 2020**
- Reduced our water withdrawal by **5% since 2021**
- Reduced our total waste by **3%** and hazardous waste by **4% since 2021**
- **\$700 million net sales** from sustainable products in 2022
- **73% of our global locations** are ISO 14001 certified

2022 Workplace Prosperity and Social Impact

- Over 92% of our employees participated in career and skill-specific trainings resulting in **56,786 hours of training**
- ~40% of our manufacturing sites have recorded **1,000+ days without a lost-time injury**
- Our incident rates are improving and compare favorably to industry standard benchmarks
- Last year, **we donated ~\$800,000** to over 500 charities around the world and many of our locations hosted volunteering events throughout the year

SUSTAINABILITY AT MEIS & ELEMENT SOLUTIONS



— ESI and its legacy companies have been focused on sustainability although ESI is still early in its formal sustainability reporting journey

— In 2021, ESI published its first ESG report on sustainability topics material to ESI, using industry-leading reporting standards (GRI and SASB)

— We've worked on improving our ESG data transparency, set ambitious goals, and published a TCFD Index dedicated to climate change

— In 2024, ESI published its third ESG Report, which includes enhanced sustainability disclosures, environmental and social performance data and the meaningful progress made against our goals as well as updated GRI, SASB and TCFD indices



Newsweek published a list of the America's most responsible companies for 2024. The list included companies from 14 industries. Element Solutions was ranked for the fourth year in a row

Driving a sustainable future

Our commitment to sustainability is at the core of who we are. We have a responsibility to be a future-proofing catalyst and as an Element Solutions Inc company, we take pride in the recognition that the company has received for sustainable practices worldwide.

LEARN MORE [→](#)

ESI was awarded an EcoVadis Silver Medal for its global sustainability standards and initiatives, which means ESI has great performance in ethics, environment, labor & human rights and sustainable procurement themes

Enabling sustainability is a pillar of our strategy

The market-leading and innovative solutions we deliver, reduce health & safety and environmental impacts while supporting our sustainability and profitability goals as well as those of our customers

Sustainability is a pillar of ESI's strategy: it is both good business and good for the world in the context of global environmental protection and the United Nations' SDGs

We are also aware and commercially mindful of the increasing expectations relating to sustainability from our employees, our customers, our end-users and the communities in which we work and live

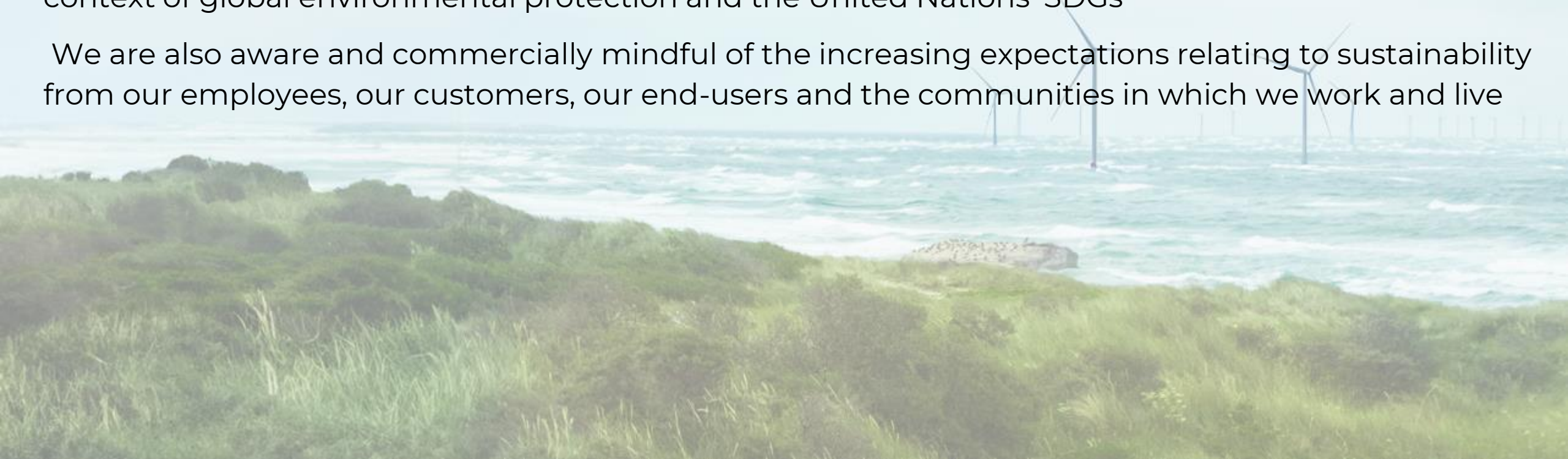


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SUSTAINABILITY Vs PROFIT

- Meeting legal limits is of course mandatory to continue activity
- Carbon footprint is a direct criteria for many public procurement tenders.
- Often sustainability investment helps to achieve direct reduction of manufacturing costs
- Sustainability is considered “good brand”, it will help attracting customers and investors.
- Sustainable companies (recognized) are more prompt to be considered as good partners for his customers



(Photo: iStock)(iStock)

MacDermid Enthone Contribution

Invention Brought to the Market



Productivity & sustainability for highest corrosion protection

3S is a special filtering system that enhances the production throughput and reduces chemical and energy consumption of our **PERFORMA 285 & PERFORMA 288** Zinc-Nickel plating technologies.





This combination provides several quality and process advantages to the plater.

From a sustainability viewpoint, its most notable characteristic is its reduction in overall energy usage.

With over 100 installations
worldwide, some operational for
over 10 years, PERFORMA 3S is a
reliable and production-proven
technology
550 Tm CO²/Year. A forest of 500000
m²

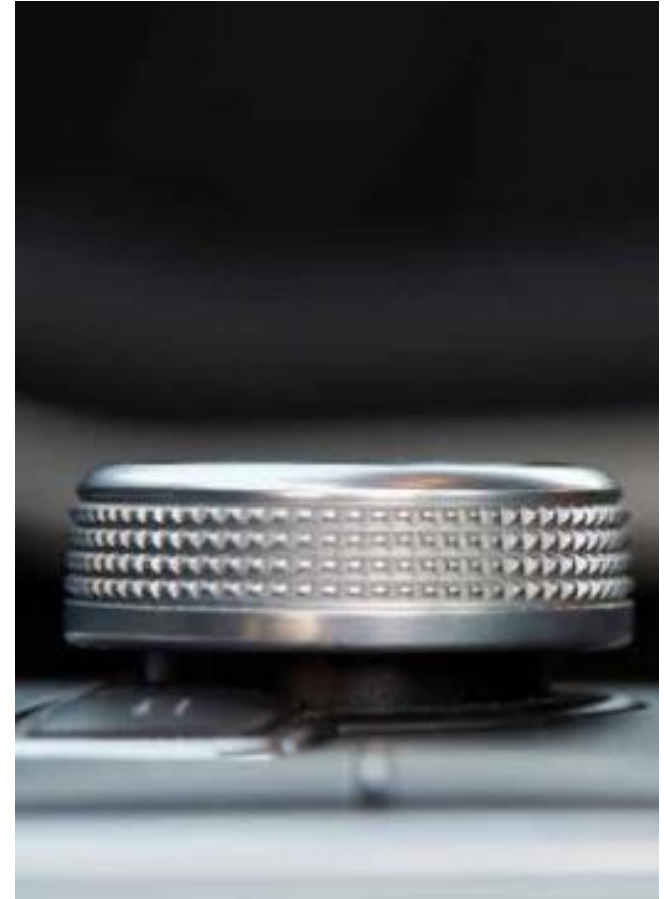
PRODUCTION PROVEN Cr(VI) FREE PLATING ON PLASTICS



evolve™ & evolve™ BOND



TriMac BLUE



TRYLITE CP 300 & TRISTAR SHIELD

Successfully rolled out in the Americas, Asia, and Europe, evolve™ is suitable for most applicators of plastic treating substrates such as ABS and ABS/PC for all industry segments: automotive; sanitary; building, hardware and fashion/cosmetic.

evolve™ offers **a sustainable solution for the full supply chain** including applicators, Tier 1s, and manufacturers.

It has been tested and qualified to meet the high-quality specification requirements of automotive OEMs (including VW and FCA).

IKEA also sees the benefit of approving evolve™ for its products.

NiKlad ICE Ultra RC

Electroless Nickel process, that allows the production of a nickel PTFE composite material that is free from PFAS surfactants or contaminants.

The process can be applied to a wide variety of metals and is especially useful in extending the life of light metals such as aluminum and its alloys.



CASTELOX
High-Silicon
Cast Aluminum
Alloy Anodizing



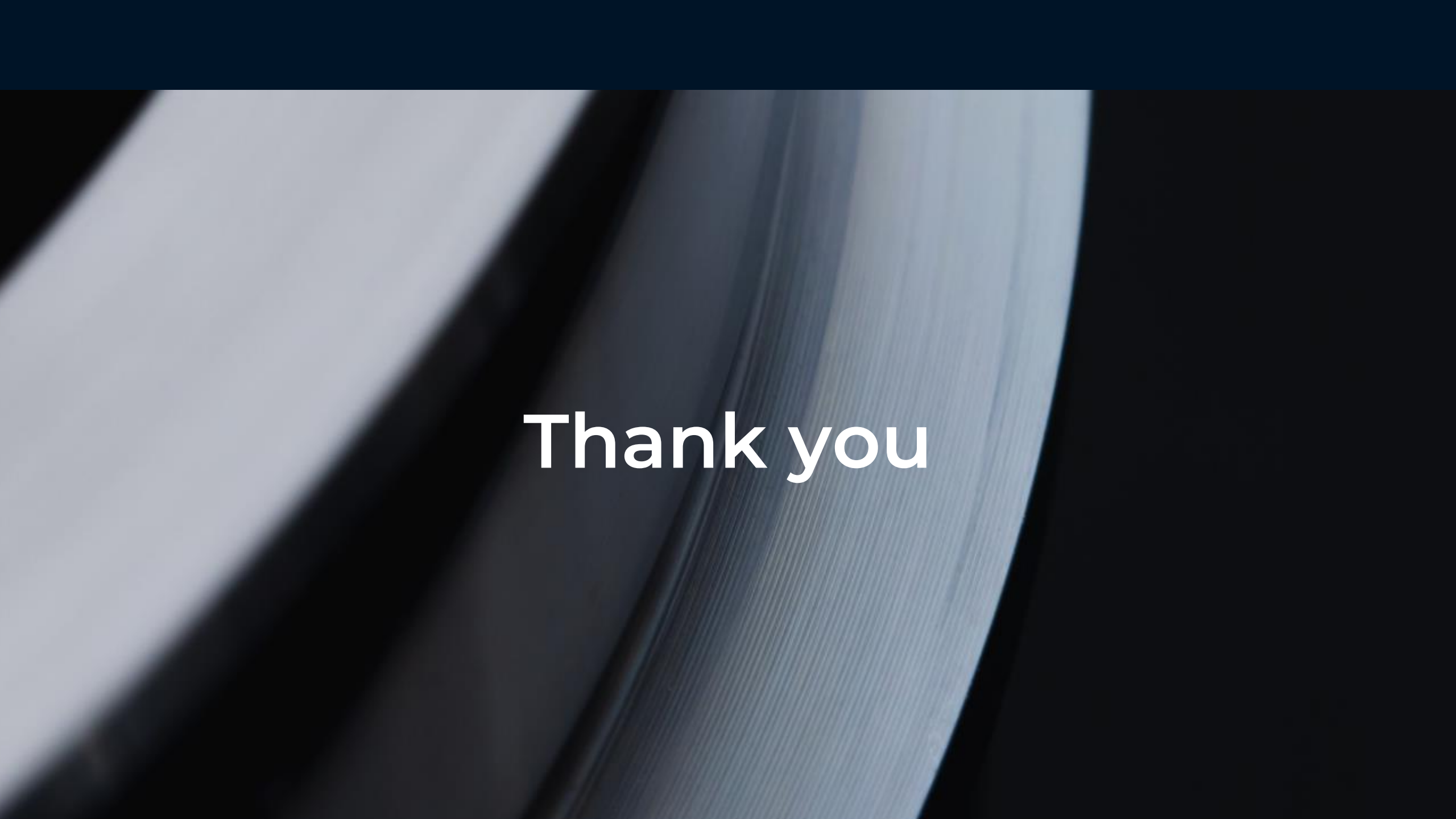


MES In Brief

We are “Chemical Engineers” who design, build and service environmental technologies and chemistry programs for wastewater treatment

- **SYSTEMS:** Wastewater Treatment Systems
- Envio**TECH:** Water and Metals Recycling
- Envio**CARE:** System Care & Services
- Envio**VIEW:** Digital Solutions for WWT Systems
- Water**CARE:** Water Treatment Chemistry*

- **Sustainability** is a wholistic vision of how we want to live in the future
- The drive towards a sustainable **industrial supply chain** today is coming from society itself
- Industry starts to embrace this **fundamental change**
- MacDermid Enthone is convinced that sustainability is **a driver for profitability in the whole supply chain**
- Sustainability in industry can only be driven by **technology innovation**
- MacDermid Enthone is the **chemical supplier** with a complete portfolio of sustainable technology options across all product lines



Thank you