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## Sustainable fertilization and resource management in ICL

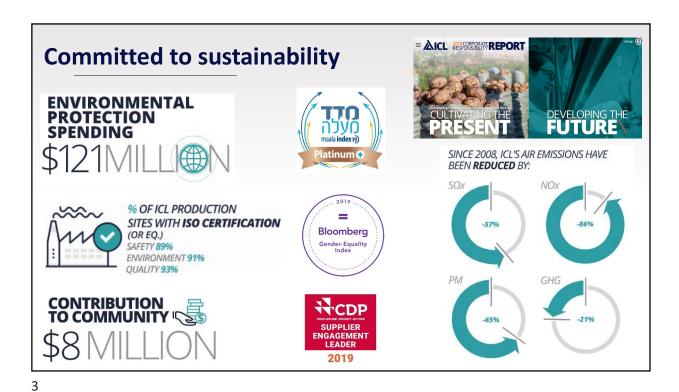
Mr. Raviv Zoller
President and CEO, ICL Group



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## **Advanced Fertilization**









Specialty Fertilizers: Controlled Release Fertilizers (CRFs), fertigation products, and wetting agents that allow growers to optimize their yields, reduce fertilizer use, save irrigation water and reduce leaching and volatilization of nutrients. ICL is a global leader in CRFs, that can reduce the total use of fertilizers by 20%-50%, reduce leaching rates by up to 55%; denitrification rates by up to 40%; and volatilization rates by up to 40%.

<u>Polysulphate</u>: An exclusive ICL marketed multi-nutrient (K, Mg, S and Ca) fertilizer. Low environmental impact: mined in the U.K. but requires no chemical processing and creates no waste products.

Low carbon footprint fertilizer, approved for organic use.

Widespread <u>agricultural training and customer engagement programs</u> that promote effective and sustainable fertilization methods and the correct use of fertilizers.

New digital services to agro-proffessionals to help increase yield and nutrient efficiency, while also reducing agricultural environmental impact.









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## **Actively Promoting Circular Economy**



- ICL's Amfert plant in Amsterdam: first ICL <u>Phosphate Recycling unit.</u>
- Sewage sludge and bone meal ash are used as an alternative raw material.
- Project Goal: the site will substitute up to 25% of input phosphate rock with recycled sources.
- First such project in the global Phosphate industry.



 The <u>ICL Rotem by-product business unit</u>: actively searching for external industrial business partners that could use significant ICL waste streams as replacement for raw materials.

 These waste streams contain valuable industrial minerals such as fluorine, silica, sulfur, calcium carbonate, and calcium sulfate.

 Example: Fluosilicic Acid (FSA) is already exported in large amounts for usuage in water fluoridation, silicates industry, Metal cleaning, Aluminum industry and for other uses.



Participating in several reginal and national Circular Economy initiative organizations, in search of additional opportunities.

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