Driving the resource revolution

Ralph E. Exton | June 2019

At SUEZ

We imagine new models, new technologies, new solutions,
to secure a resourceful future for all.

We engage in the *resource revolution*
to reinvent the way we manage resources in the new circular economy.

focus on the
circular economy

support **environmental transition** across the globe

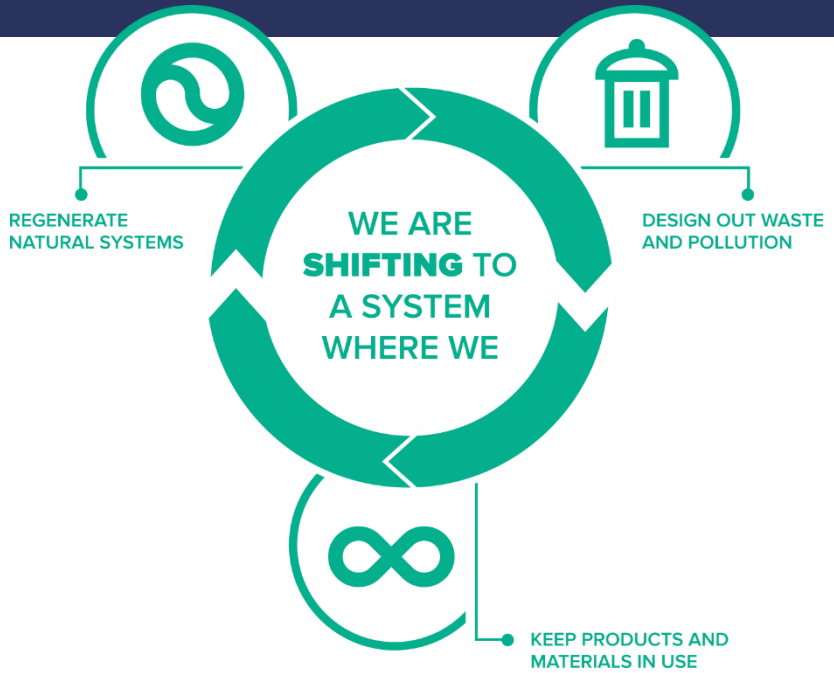
deploy **smart** solutions

develop **integrated** offerings for **industry**

A circular economy

Foundations of a new system

“Shifting the system involves everyone and everything: businesses, governments, and individuals; our cities, our products, and our jobs. By designing out waste and pollution, keeping products and materials in use, and regenerating natural systems we can reinvent everything.”



https://www.ellenmacarthurfoundation.org/circular-economy/what-is-the-circular-economy

Today’s challenges

Water resources are being threatened by drought, population growth, climate change and the growing demand for energy

- Emerging contaminants
- Tougher-to-treat
- Complex regulations
- Historic linear approach

Innovation is key

Technologies that will enable the shift to a circular economy

Transforming waste into value

Resource recovery including water reuse

Digital tools, advanced analytics, and A.I.

Advanced sensors and devices

In the room

Confirmed showcase companies

Acuva - UV-LED Drinking Water Disinfection for Point-of-Use Systems
Aqualia - Wastewater Treatment by Symbiotic Interaction between Microalgae and Bacteria to Produce Biomethane and Biofertilizer
Aquatech - Advanced Vacuum Membrane Distillation for ZLD/ MLD Applications
Customem - Customized Granular Media for Adsorption of Micropollutants such as PFAS
Desah - Decentralized Sustainable Wastewater Treatment Following the Cradle to Cradle Principle
ElectroScan - Focused Electrode Leak Detection for Condition Assessment and Evaluation
Eliquo Water Group - Vacuum Degassing of Digested Sludge with Phosphorus Precipitation and Removal
Fracta AI - Condition Assessment of Drinking Water Distribution Networks with Machine Learning
iota Services® - IoT solution for Predictive Asset Performance Management of Water and Sewer Networks
LG Sonic - Ultrasound Technology to Control Algal Blooms and Biofouling in Surface Water, Process Water and Offshore Applications
Nijhuis Industries - Electro Osmosis solution
PowerTech Water - Capacitive Coagulation for Removal of Heavy Metals from Wastewater
Typhon - LED UV Technology Optimized for High Flow-Rate Drinking Water Disinfection
WaterMax - Nanobubble Technology for Improved Oxygenation in Water and Wastewater Treatment
Vienna Water Monitoring Solutions - Rapid On-line Monitoring of Microbiological Contamination in a Broad Range of Water Applications

Thank you