

EXECUTIVE SUMMARY

NEXGEN FLUID INNOVATIONS

Solving the Water Crisis with Water Treatments Including Recycling, Waste Reduction, Desalination, and Non-Invasive Lithium Extraction

Company Website: **NexGen-Fluid.com**

NexGen is everything water. Water is necessary for practically all life processes and industrial practices. NexGen emphasizes good stewardship of the earth and its inhabitants focusing on water treatments, recycling, waste reduction, decreasing greenhouse gas emissions, and non-invasive lithium extraction. NexGen is ESG Compliant, and the company's many patented technologies further enhance sustainable operations in many industrial operations, thereby providing tangible environmental benefits. NexGen was founded two years ago, and the corporate officers bring decades of water treatment experience and enhancements.

One in nine people on the earth lack access to safe water, one in three lack access to a toilet, and over one million people die each year from water sanitation issues. (water.org)

NexGen Fluid Innovations Unique Technologies

LTEC (Low-Temperature Evaporative Crystallizer) INTEGRA

filtration (from 200 microns down to 1 micron) SXF (Spiral (X)

Cross Flow Membrane Water Treatment) SCDC (Submerged

Condensing Direct Contact) Heat Transfer

Together these technologies treat difficult industrial wastewaters with applications in:

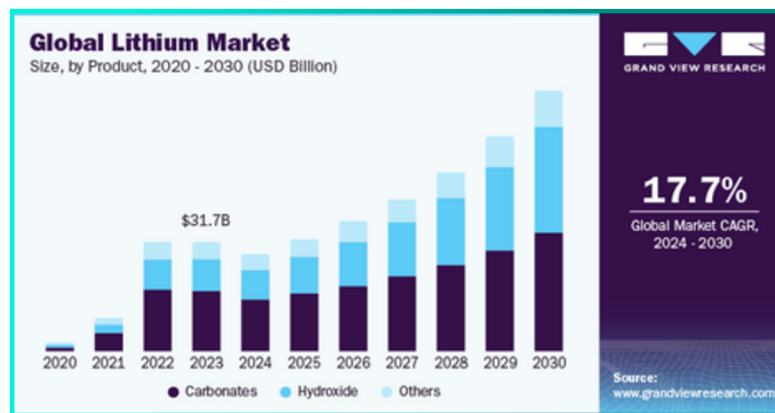
- **landfill leachate, oil and gas industry waste brines, food processing wastewaters, electric power generation wastewater, and regeneration of aircraft deicing fluid wastewater, thereby dramatically reducing trucking and disposal costs while minimizing environmental impacts as well as cost-effective and environmentally sound extraction of valuable minerals (lithium) from oil and gas industry wastewaters.**
- **filtration of oil and gas fluids, desalination, process water filtration in the paper, plastics, food, landfill leachate, winery, petrochemical, and electric power industries by significantly reducing costs, waste volumes, and labor.**
- **processing difficult waters such as Landfill Leachate, Dairy Pond water, and Food Processing wastewater, allowing water recycling while minimizing wastes.**
- **superior recycling, recovering usable fresh water from harsh, otherwise practically untreatable industrial waters, as well as targeting minimal desalination costs.**

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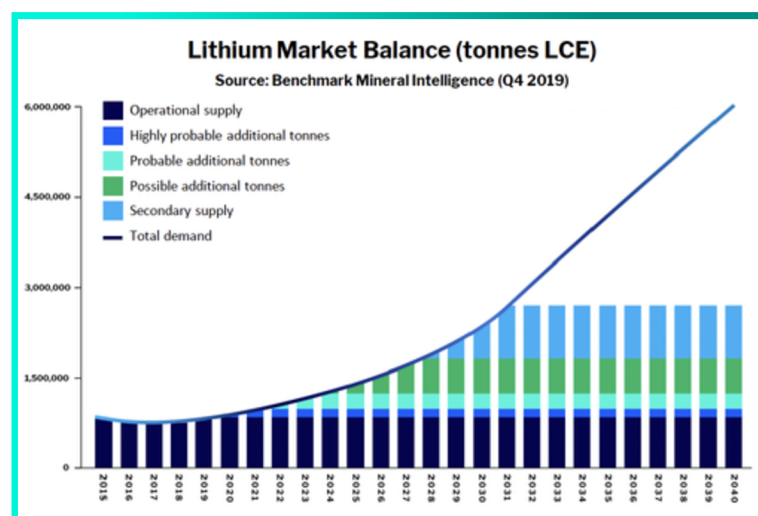
The global lithium market is projected to have a compound annual growth rate of 17.7% between 2024 and 2030

NexGen's state-of-the-art proven and patented technologies offer the competitive advantages of lowest operating cost, low energy consumption for wastewater reuse and Zero Liquid Discharge.

Fully automated and industrially robust units are highly mobile with the smallest footprint in the industry while resolving the most difficult industrial water problems with the highest efficiency. Additionally, while lithium demand for electric vehicles is outstripping demand, NexGen has engineered a non-invasive system to recover lithium from brine waters in active and depleted oil and gas wells.



Grand View Research, 2024



Benchmark Mineral Intelligence, 2019