



ISRAR WATER SOLUTIONS

Powered By DEVA Technology

From Scarcity to Security
Pure Water | Pure Future | For All

An overview of our capabilities and delivery platforms

2026

www.israrwater.com

ISRAR Water Solutions

Advanced Water Platforms & Zero-Waste Separation Solutions

A new paradigm in water treatment ..
Where waste is eliminated and resources are recovered.

ISRAR Water Solutions was established to address a fundamental challenge facing global water systems: the widening gap between increasingly complex water conditions and the limitations of conventional treatment technologies. As water scarcity intensifies and environmental constraints tighten, approaches built around partial separation and waste discharge are no longer sufficient.

ISRAR Water Solutions exists to redefine this paradigm. Built around DEVA Technology, a next-generation separation platform, the company enables a fundamentally different approach to water treatment, one that fully processes water streams rather than managing residual waste. By eliminating liquid discharge and enabling comprehensive recovery of water and dissolved materials, ISRAR Water Solutions introduces a new benchmark for sustainable water infrastructure.

ISRAR Water Solutions operates as a solution developer and project orchestrator, leading water initiatives from early concept through deployment. This ensures that advanced technologies are translated into structured, executable projects rather than remaining isolated innovations.

Anchored within the ISRAR Group, ISRAR Water Solutions combines technology leadership, execution certainty, and lifecycle accountability, positioning the company at the forefront of the next generation of water solutions.



Turning complex water challenges
into sustainable resources.

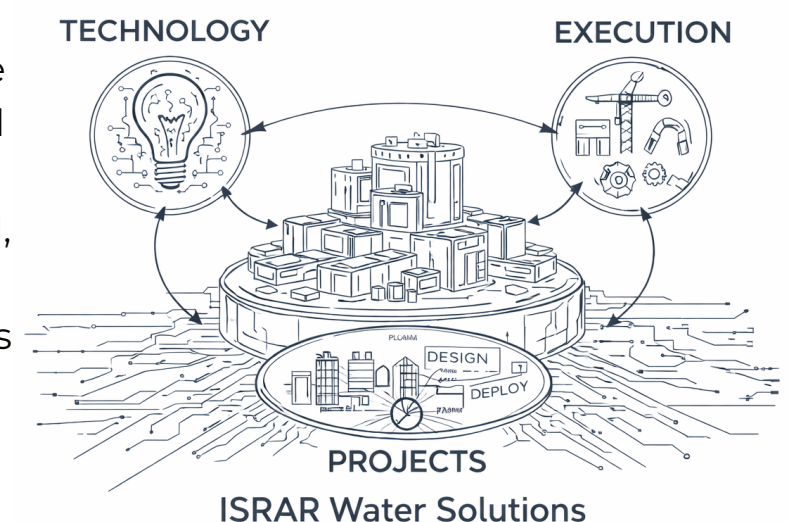
ISRAR STRATEGIC POSITIONING

ISRAR Water Solutions is positioned as a technology-led water platform company, focused on developing, structuring, and deploying advanced separation solutions for complex water challenges. It operates at the intersection of innovation, project development, and execution, bridging the gap between breakthrough technologies and real-world infrastructure delivery.

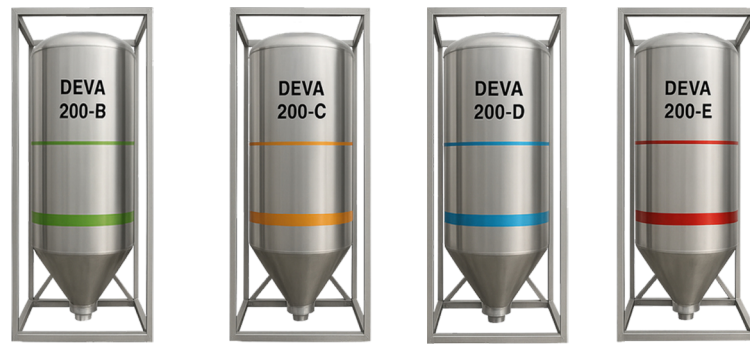
SRAR Water Solutions positioning enables it to engage at the earliest stages of projects, where system architecture, deployment models, and long-term performance are defined. The company ensures that advanced platforms are implemented in a structured, scalable, and bankable manner.

ISRAR Water Solutions

focuses on applications where conventional desalination and treatment technologies reach their technical, environmental, or operational limits, delivering integrated solutions that eliminate waste and maximize long-term value.



ISRAR Water Solutions



Powered by the DEVA Technology Platform

DEVA (Direct Extraction by Vacuum Autonomy) is the foundational technology platform behind ISRAR Water Solutions. It is not a single product or process, but a universal separation platform designed to fundamentally change how water, wastewater, and brine streams are treated.

Unlike conventional desalination and treatment systems that recover part of the water while generating brine or liquid waste, DEVA is engineered to fully resolve incoming water streams. Every feed stream is transformed into usable outputs, high-purity water and recoverable materials, eliminating waste.

DEVA operates without membranes, chemical additives, or complex pre-treatment systems. Its separation process is stable across a wide range of water qualities, salinities, and contaminants, allowing it to address challenges that are technically, environmentally, or economically impractical for traditional technologies.

Designed as a modular and configurable platform, DEVA can be deployed in multiple system configurations, each optimized for a specific water challenge while sharing the same core separation architecture.

WHAT DEVA DOES, IN SIMPLE TERMS

These are the core differentiators that define the DEVA platform and underpin every ISRAR Water Solutions project:



True Zero Liquid Discharge (ZLD)

All incoming water is fully processed, eliminating brine and liquid waste streams entirely, a true zero-discharge environments.



Maximum Water Recovery

Recovers nearly all usable water from the feed stream, transforming challenging sources into reliable, high-quality water supply.



Total Resource Recovery

Dissolved materials are extracted as stable, recoverable solids, converting what is traditionally waste into usable by-products.



Ultra-Low Electrical Energy Demand

Exceptionally low net electrical power requirements, enabling energy-efficient operation without reliance on external heat sources.



Chemical-Free Operation

No chemicals are required at any stage, eliminating dosing systems, storage, handling risks, and chemical supply dependencies.



Membrane-Free Technology

Eliminates membranes entirely, avoiding fouling, replacement cycles, performance degradation, and lifecycle complexity.



Modular & Scalable Architecture

Standardized modules allow flexible system sizing, phased expansion, and deployment across centralized or distributed installations.

ISRAR Water Solutions delivers advanced water and wastewater solutions through a platform-driven approach enabled by the DEVA technology platform. This combination allows the company to address complex water challenges beyond the practical limits of conventional treatment systems, while maintaining execution certainty and long-term operational stability.

ISRAR's Business Applications & Market Coverage

ISRAR Water Solutions delivers advanced water and wastewater solutions across a broad range of applications where conventional treatment approaches are constrained by discharge limitations, operational complexity, or long-term sustainability challenges. The company applies a platform-driven approach to water treatment, enabling consistent solution development across diverse water qualities and use cases while maintaining flexibility in system configuration and project delivery.



Seawater Desalination

Development and deployment of freshwater production systems designed for environments where brine discharge is restricted or environmentally undesirable.



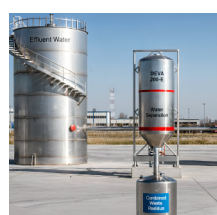
Produced Water & High-Salinity

Water management solutions for energy, resource, and industrial sectors where water quality and operational stability are critical.



Brine Treatment & True ZLD

Resolution of brine streams from existing desalination, industrial, and infrastructure assets, enabling true zero-discharge operation.



Hazardous & Difficult-to-Treat Wastewater's

Applications where discharge, dilution, or conventional treatment methods are impractical or restricted by regulation.



Industrial Complex Effluents

Treatment of challenging industrial streams with variable composition, high salinity, or contaminants that exceed the limits of conventional technologies.



Resource Recovery & Circular Water

Conversion of wastewater and brine into reusable water and recoverable materials, supporting long-term sustainability and resource efficiency objectives.

A Consistent Business Delivery Model

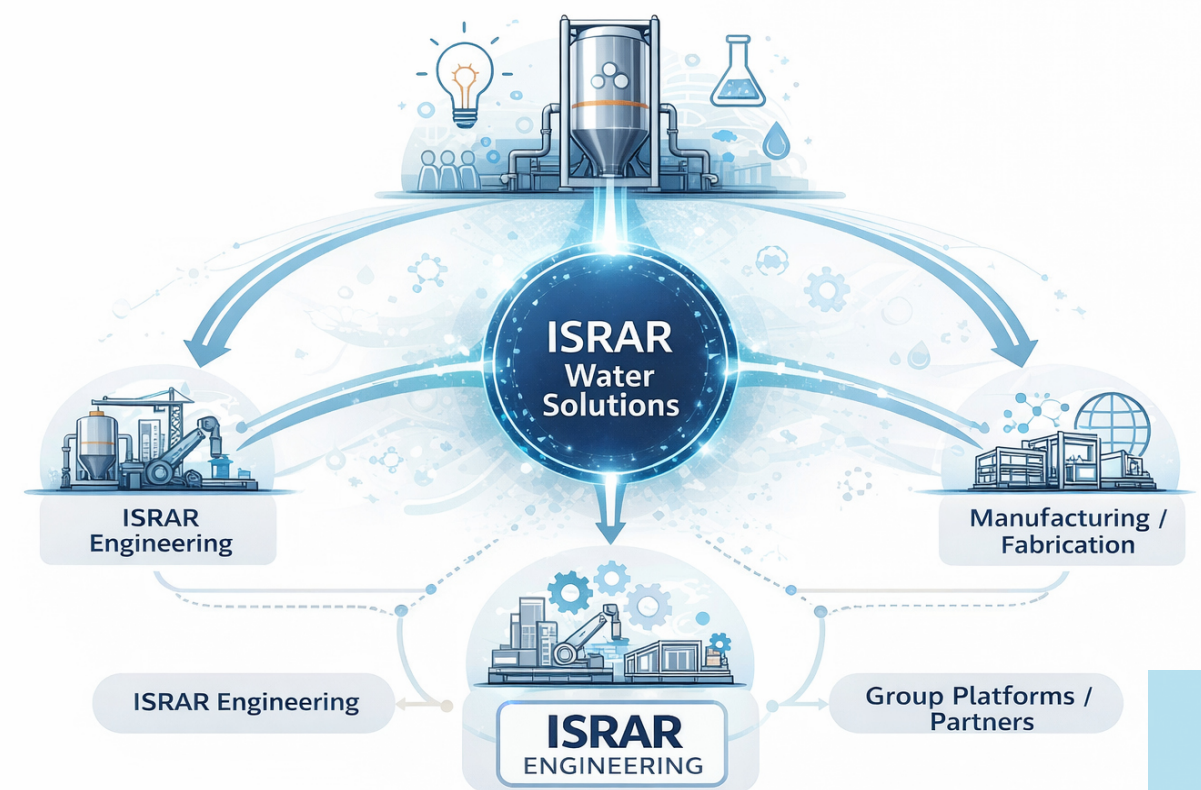
By leveraging a unified technology foundation supported by structured project development and execution capabilities, ISRAR Water Solutions delivers consistent performance across sectors and geographies while adapting solutions to specific project conditions.

From Technology to Executable Projects

ISRAR Water Solutions is structured to convert advanced water platforms into executable projects. The company engages early, before execution parameters are fixed, to align technology capabilities with regulatory, operational, and lifecycle requirements. ISRAR Water Solutions leads:

- Application assessment and solution definition
- Stakeholder and regulatory engagement
- System architecture and deployment planning
- Modular and phased implementation strategies

Engineering, automation, and long-term operations are delivered through ISRAR Engineering, ensuring continuity from design through operation. This integrated approach reduces execution risk and ensures that projects enter delivery with clarity, structure, and long-term viability.



SUSTAINABILITY & RESOURCE IMPACT

Sustainability at ISRAR Water Solutions is a direct outcome of system design. By eliminating liquid waste and enabling full recovery of water and dissolved materials, the company reduces environmental risk while improving operational resilience.

DEVA transforms wastewater and brine from liabilities into sources of reusable water and recoverable resources. Modular deployment

As global water challenges grow more complex, solutions built on partial separation and waste discharge will continue to face increasing constraints. The future of water infrastructure lies in platforms capable of fully resolving water streams with stability, adaptability, and long-term impact.

ISRAR Water Solutions is positioned to meet this future through deployable, scalable water platforms that align innovation with execution and sustainability with performance.

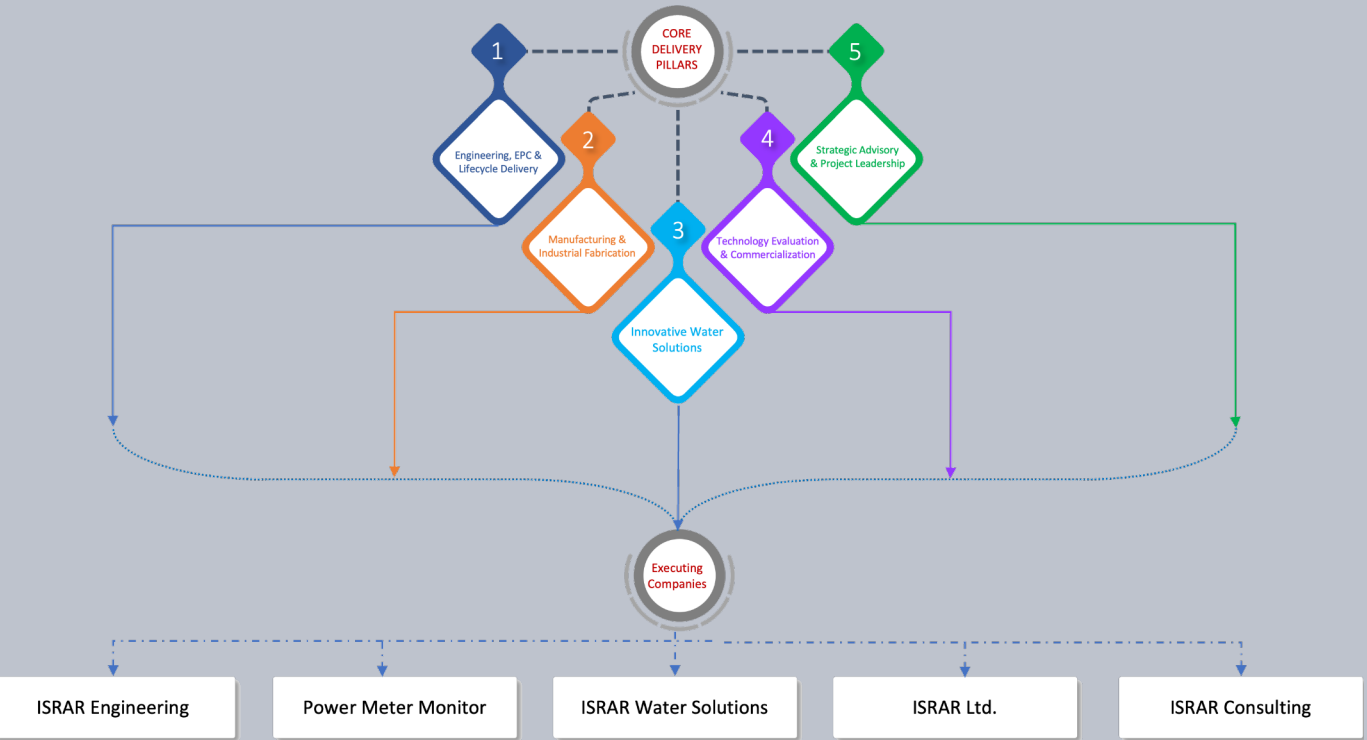


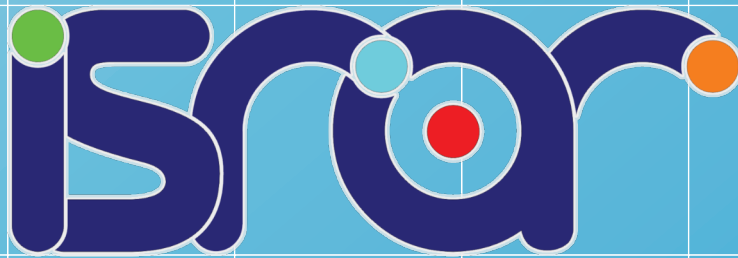
INTEGRATED DELIVERY MODEL (ISRAR GROUP)

ISRAR Water Solutions operates within an integrated ISRAR Group ecosystem.

- **ISRAR Water Solutions** leads solution development and project orchestration
- **ISRAR Ltd.** provides technology evaluation and commercialization discipline
- **ISRAR Engineering** delivers EPC execution, automation, and long-term O&M

This structure combines the agility of a specialized water company with the execution depth and lifecycle accountability of an established industrial group, complemented by selected global partners.





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