

# ALIAxis Aquaculture Solutions for Coral Regeneration in the Red Sea



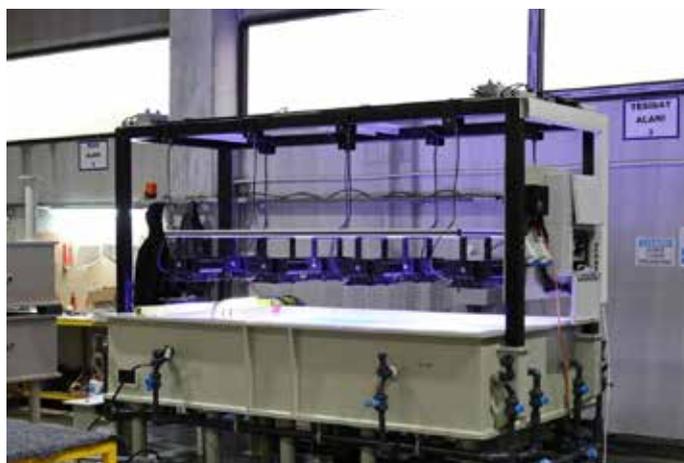
The world's largest coral reef restoration program, focused on restoring, enhancing, and conserving the Red Sea's unique coral ecosystems, using advanced technologies and nurseries to regenerate these vital areas, protecting marine biodiversity and supporting local economies.

## Specifications:

The Coral Restoration Initiative, launched in 2021, is a large-scale program to restore coral reefs in the Red Sea, in collaboration with research institutions and sustainable development projects.

## Solutions Provided:

For the construction of the systems, Fip, Lareter, and Straub brand components were supplied, including valves, fittings, pipes, and measuring instruments for water filtration and recirculation systems in marine environments. These components were designed to ensure maximum resistance to marine corrosion and compatibility with biological and mechanical filtration systems.



Project	LSS coral nursery systems for the restoration of the 100-hectare reef on Shushah Islandi
Location	Saudi Arabia (KSA)
Products	Valves FIP - Fittings FIP - Pipes LARETER
Year	2021-2025

- Lareter U-PVC/PE pipes
- Fip valves
- STRAUB Plast-GRIP

## Advantages:

- Maximum environmental safety**  
 The LSS (Life Support Systems) built by our partners with **Aliaxis** components ensure a stable, healthy and controlled habitat for all hosted marine species.
- Safe use and operational reliability**  
 The systems guarantee safe and continuous operation, minimizing risks and ensuring consistent performance over time.
- Reliability and long lifespan**  
 The materials used are highly resistant to corrosion and wear, even in particularly aggressive marine environments.
- Reduced maintenance and service continuity**  
 The quality of the components minimizes maintenance needs, ensuring full operational efficiency of the LSS systems over the long term.

