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Development of Water Treatment Methods for Marine Facilities

Why does water pollution matter?

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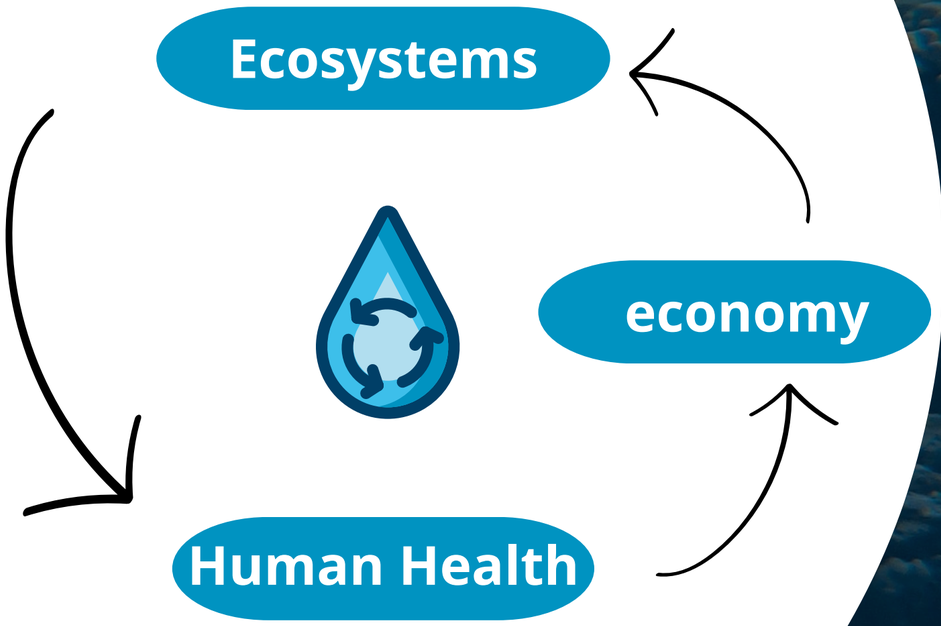
Water pollution affects **marine ecosystems**, crippling **economies**, and endangering **human lives.**

Toxic pollutants are **wiping out marine species**, breaking natural food chains, and threatening biodiversity. Economically, polluted waters **slash tourism revenue, damage fisheries, and increase costly water treatment demands**. For people, contaminated water spreads d**isease, impacts food safety, and causes long-term health risks.**



Why does water pollution matter?

- Almost 1,000 species of marine animals are impacted by ocean pollution, and over 500 locations with the size of the UniteKingdom's surface (245,000 km^2)are recorded as dead zones where marine life cannot exist

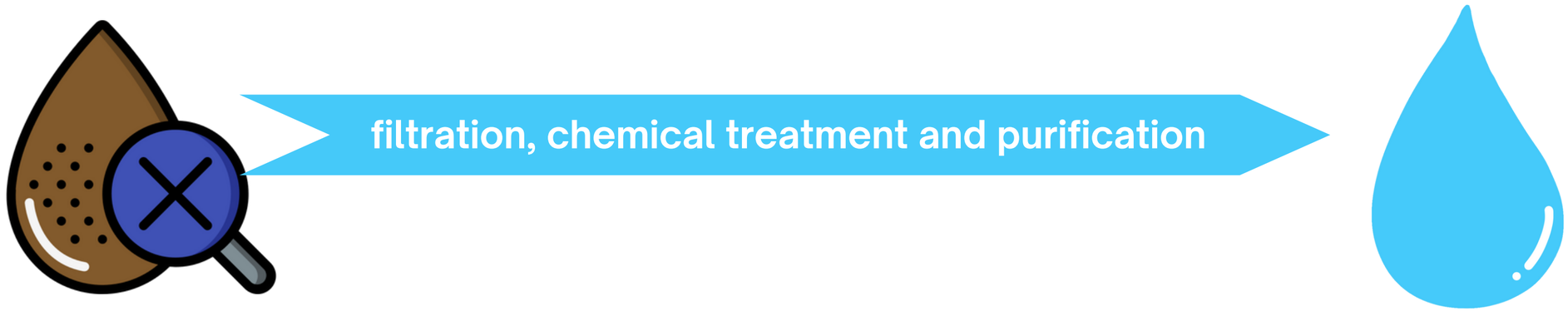
- Ocean pollution affects more than 817 animal species worldwide, which has increased by 23% in the last 5 years alone.

- Only 1% of marine litter floats. Everything else sinks to the sea floor.

*Statista and OECD, 2024

OILO

OILO is an innovative initiative created by passionate marine experts with a clear mission: **to enhance water pollution treatment in marinas, ensuring cleaner waters and a healthier marine environment for its users and the underwater ecosystem.**



Our Mission and Vision

At Oilo, we use sustainable creativity to combat water pollution, starting with Eilat's marina, and expanding to protect marine ecosystems and support local communities.

Mission

Our mission is to lead a cross sector solution to extract pollutants from the water by applying technology to decrease stress from marinas. We are committed to ensuring healthier waters for aquatic life and the local communities.

Vision

We envision a world where diverse and thriving marine environments support sustainable communities, ecosystems, and economies.

Our Team

Eyal Kapulnik

Roi Yahel

Salomé Zajbert

Thais Miller

Fadi Haddad

Our Technology

A skimmer separates oil from water, and it is commonly used in water treatment. OILO will use this technology to prevent oil pollution from restaurants, hotels, drainage, and boats. **Unlike emergency skimmers, ours will be adapted for regular, proactive pollution control.**

Oil-Water Separation: The skimmer collects floating oil, as oil is lighter than water

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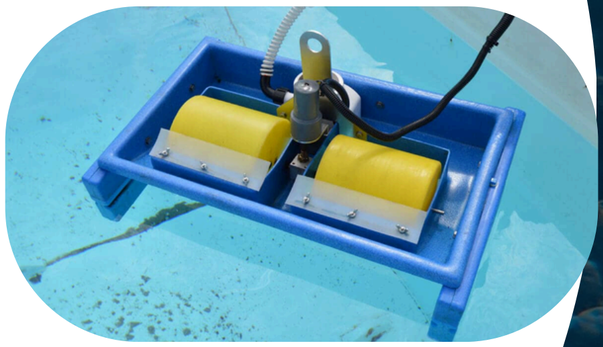
Oil Collection: The oil drains into a standard-compliant tank and empties professionally when full.



The Pilot Project

Our **6-month pilot project will take place at the Eilat marina**, where we will demonstrate the effectiveness of Oilo's water treatment and monitoring technologies. **During this period, we will implement real-time data collection and analysis platforms to track and evaluate water pollution trends, showcasing the feasibility and impact of our solutions in protecting marine environments.**

The Marina of Eilat

- **Strategic Location:** At the northern Red Sea, near Jordan, Egypt, and Saudi Arabia.
- **Tourism Hub:** Attracts boaters, yachts, and water sports enthusiasts.
- **Boosts Economy:** Supports tourism, boating, and marine services, positioning Eilat as a year-round travel destination.
- **Rich Ecosystem:** Close to Coral Beach Nature Reserve and Northern Seagrass Beach, home to coral reefs and diverse marine species.

OILO Timeline

Phase	Actions and deliverables
Phase 1: Planning and initial development **July - November 2024**	• Build strong relationships with marina operators, local authorities, environmental ministry, and the tourism industry for the pilot. • Set measurable sustainability goals for Eilat's marina, with clear targets for reducing pollution and improving water quality over time. • Secure funding for the pilot phase. • Research and develop tailored solutions for different types of pollutants found in marinas, including oil spills, fuel waste, and chemical runoff from boats. • Design advanced water quality monitoring systems to continuously track pollutants such as oils, chemicals, and waste.
Phase 2: Launch of the Eilat pilot December - April 2025	• Collect baseline data on water quality, pollutant levels, and marine biodiversity to assess the current environmental state and measure future improvements. • Launch the pilot project to demonstrate the feasibility of OILO's water treatment and monitoring technologies. • Set up real-time data collection and analysis platforms to monitor and evaluate water pollution trends in the targeted pilot marina in Eilat. • Monitory and evaluation activities. • Host workshops and meetings to encourage stakeholder participation in the initiative. • Launch a public awareness campaign targeting marina users, boat owners, and local communities about the importance of ocean conservation and water quality improvement. • Create educational content on reducing pollution, the importance of maintaining clean marinas, and how individuals can contribute to the initiative. • Engage stakeholders in educational programs about pollution prevention and sustainable marine practices.

Finances

OILO - 6-months Pilot Budget forecast							
P&L Forecast	**Month-1**	**Month-2**	**Month-3**	**Month-4**	**Month-5**	**Month-6**	**Total**
Revenues							
Revenues 1	-	-	-	-	-	-	-
Revenues 2	-	-	-	-	-	-	-
Revenues 3	-	-	-	-	-	-	-
Total Revenues	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Operational Expenses							
Maintinace - installing & fixing costs	2 400	500	500	1 000	1 000	1 000	**6 400**
Operating machines - Labour	13 000	13 000	13 000	13 000	13 000	13 000	**78 000**
Lab Tests costs	-	1 000	-	1 000	-	1 000	**3 000**
Depreciation	1 498	1 498	1 498	1 498	1 498	1 498	**8 990**
Water testing costs	250	250	250	250	250	250	**1 500**
Transporting costs	300	300	900	300	300	1 700	**3 800**
Total Operational Expenses	**17 448**	**16 548**	**16 148**	**17 048**	**16 048**	**18 448**	**101 690**
General & Administrative							
Monitoring/consultation	20 000	20 000	20 000	20 000	20 000	20 000	**120 000**
Marketing & Sales	9 800	-	-	-	-	-	**9 800**
Total General & Adminstrative	**29 800**	**20 000**	**20 000**	**20 000**	**20 000**	**20 000**	**129 800**
Total Costs	**47 248**	**36 548**	**36 148**	**37 048**	**36 048**	**38 448**	**231 490**
Cash Flow Forecast:							
CAPEX							
Machine and Equipments	35 960						**35 960**
OPEX	45 750	35 050	34 650	35 550	34 550	36 950	**222 500**
Total Net Cahs Flow	**81 710**	**35 050**	**34 650**	**35 550**	**34 550**	**36 950**	**258 460**

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THANK YOU!

Contact us & lets colaborate:

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