

Ocean Reef-Tower Oases (ORTO)

Reviving the Seas, feeding Humanity,

and caring for our Environment, socio-cultural Development and Preservation.

The Ocean Reef-Towers Oases (ORTO) project is an integrated multi-sector solution providing Economic, Environmental and Social-Cultural benefits. This cross-sector “leverage solution” addresses SDG: 1, 2, 3, 6, 7, 8, 9, 11, 12, 13, 14,15, 17. This helps go beyond single issue, single sector solutions towards win-win-win solutions. This provides unique opportunities for urban and regional development and betterment and spaces for youth vocational training and lifelong learning, community development, societal and cultural preservation and innovative development.

At its center ORTO considers marine pollution - the enormous eutrophication problem as a chance to build orchards as an unlimited resource of mussels, shrimps and fish, transporting the production process away from protected shores and bays to open sea shelf areas. The project supports in this way health, agricultural, infrastructural, and development aspects/objectives. It provides not only work and food, but grinded shells are for example a good soil improver, alongside with supporting sports fishing, diving tourism, animal feed production, energy co-generation, water desalination and coastal erosion protection.

ORTO is an innovative concept, uniting the best from the Artificial reef impact and an offshore extensive aquaculture. ORTO changes the antagonistic paradigm between Nature and Human society. It aims to create protected areas with reef habitats for reproduction of wild marine inhabitants especially in the damaged by eutrophication coastal zones, but this time through business investments.

This revolutionary food production approach allows the utilization of the vast yet unused territories of the open sea shelf areas, providing a chance for aquacultures to fulfill the upcoming food gap for humanity in the next few decades.

In addition to the economic and social benefits, the ORTO concept and technology is the second human business activity in all the human history that not harming the Environment, but reviving it, creating full of life marine oasis (the other exception is bee keeping).

ORTO’s concept and technology scale-up capabilities are coming from transforming the basic life organisms on Earth – marine microalgae, up on food chain, providing enormous production capacity in the open Sea shelf areas in favor HARMONY and coexistence of Nature and Cultures, supports the Living Cosmos, and besides Humanity...

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Selected AWARDS AND RECOGNITIONS

First prize "Poster-summary of scientific technology" - Symposium "Ocean future", Kiel, Germany, March 2015.

"Best Project for 2007-2013" Ministry of Welfare and Development, Bulgaria, September 2015 - "Research and Restoration of the Essential Filters of the Sea - REEFS", "Black Sea Basin 2007-2013" - Romania, Turkey, Georgia and Bulgaria, July 2014 Prize

First prize - "Green Innovations for Sustainable Business", Norway grants, Innovation Norway, CEED Bulgaria, Sofia, Bulgaria, April 7, 2016

First prize at the "Forum Youth Entrepreneurship - StartUp 2016 - Go To Market.", Varna, 13-15 May 2016

First Prize: Green Booth Camp, Innovation Norway, CEED Bulgaria, Borovec, Bulgaria, 27.10.2017

Geneva Peace Platform, OSI – UN – Geneva, Dec 12-16, 2016

[ORTO - Socio-Ecological-Cultural Development-Funding & “SDG - Leveraging Solutions” Meaningful solutions that matter across scales, sectors and cultures/times.](#)