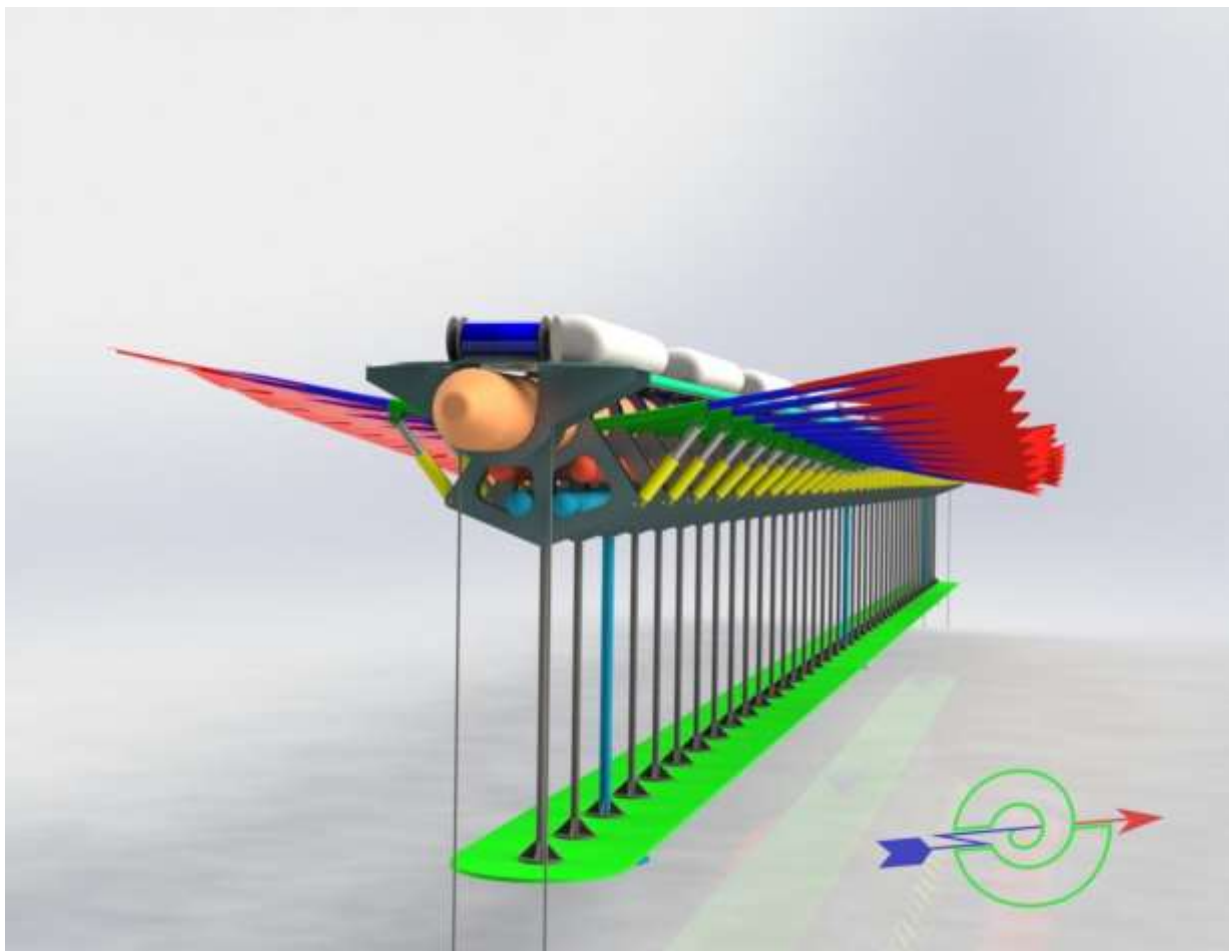


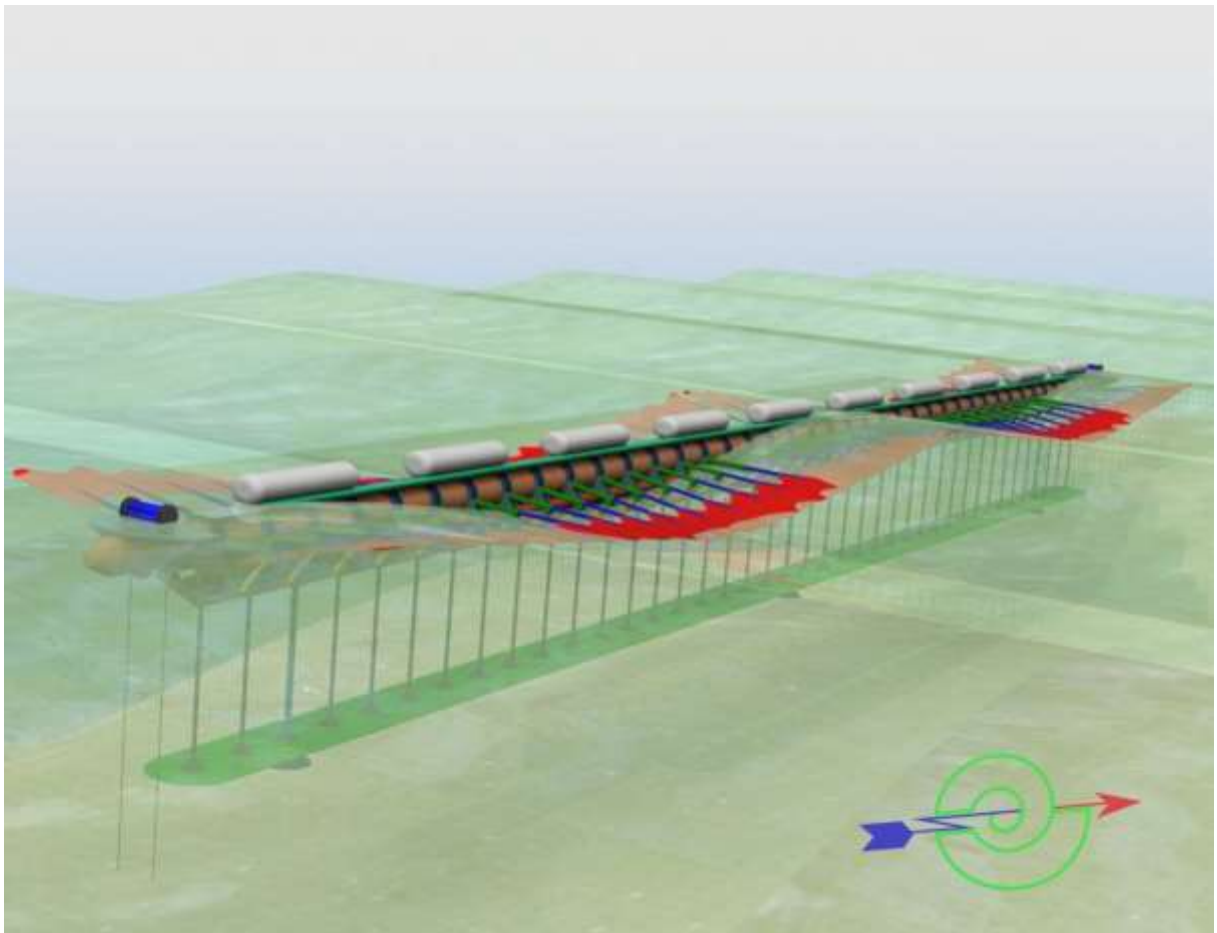
## **“WAVE DESALINATION AND ELECTRIC PLANT OF OVSYANKIN DESIGN”**



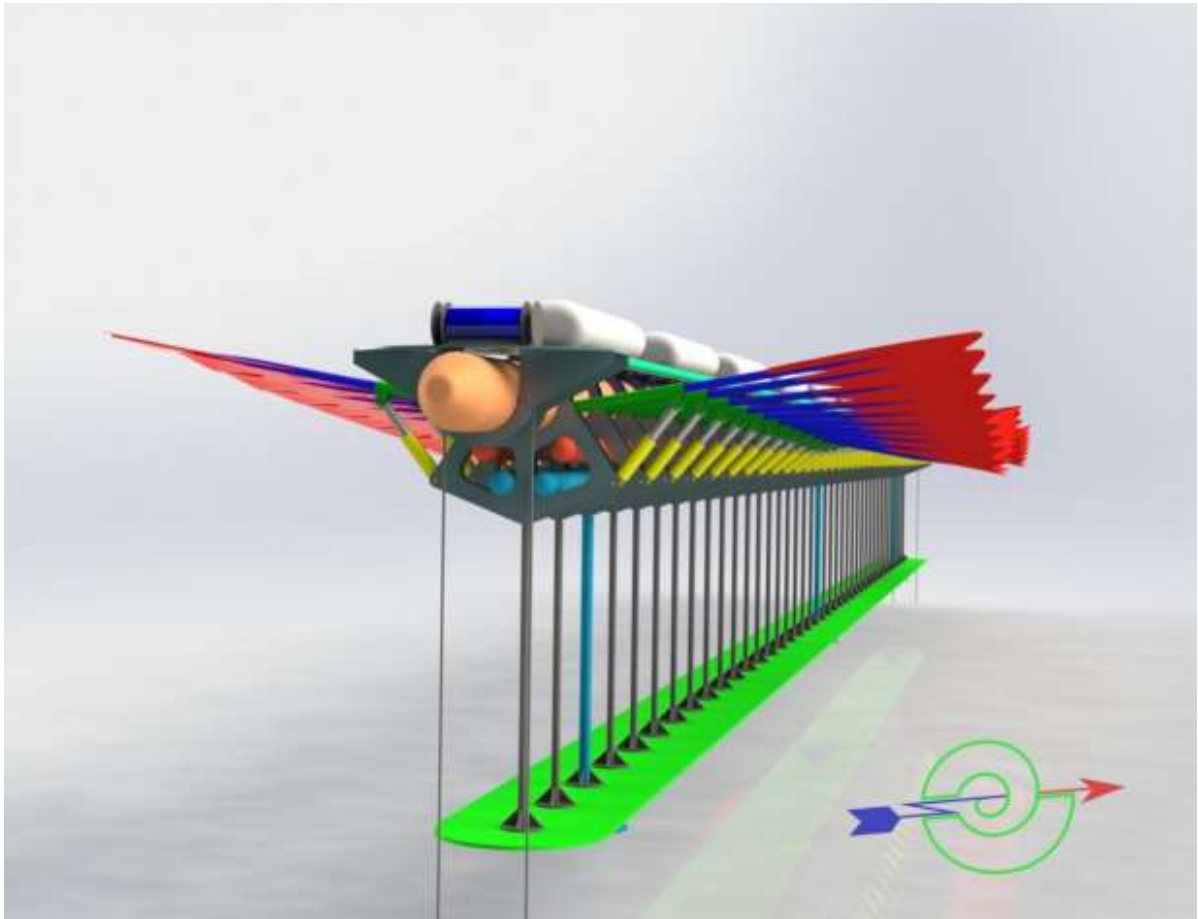
**Offshore Wave Stations designed by Ovsyankin to improve Climate resilience of countries and regions. Desalination of sea water and production of electricity due to environmentally friendly renewable energy of sea waves, excluding emissions of CO2 into the atmosphere.**

***Marine wave stations designed by Ovsyankin will make a significant contribution to achieving the Sustainable Development Goals for climate change!***

Climate change is driving significant increases in water consumption in most countries around the world, according to the latest United Nations reports. (<https://www.un.org/en/sections/issues-depth/water/index.html>). The growing shortage of water resources can only be compensated for by industrial desalination of seawater. The existing desalination technologies require high energy costs up to 10 kW per 1 m<sup>3</sup> of water. The production of one kilowatt of electricity from hydrocarbons leads to emissions of 0.5 kg of CO<sub>2</sub> into the atmosphere. Therefore, increasing the production of fresh water by the traditional method of desalination significantly increases CO<sub>2</sub> emissions into the atmosphere and, as a result, accelerates negative climate change.



**One wave desalination station designed by Ovsyankin, the capacity of which for the ocean water area is up to 1000 m<sup>3</sup> per hour of fresh water, will avoid CO<sub>2</sub> emissions in the amount of more than 30,000 tons per year.**



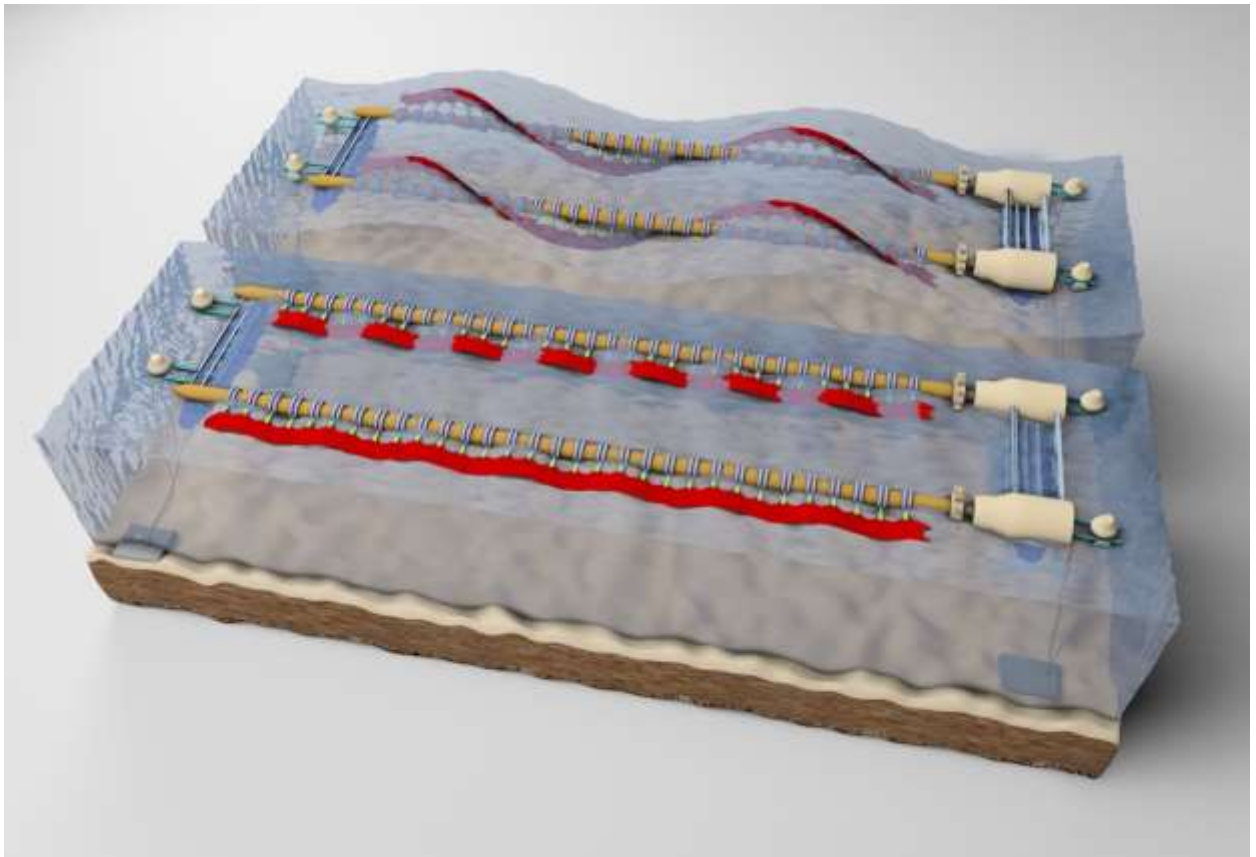
***Wave desalination and power plants designed by Ovsyankin operate due to the environmentally friendly, renewable energy of sea waves and currents.***

Wave stations are an anchored floating object capable of submerging under water to the required depth and, depending on the need, generate fresh water or electricity.

The project is based on the use of patented innovative technical solutions transforming ecological clean, renewable energy of sea waves and currents for the production of fresh water and electricity.

*The efficiency of a wave station is provided by its basic properties, such as:*

- the presence of a flexible self-adapting energy-absorbing element, which changes its shape from a flat longitudinal body to a spatial spiral under the influence of each incident wave;



- the design of the station is permeable to waves and has the ability to dive to a depth into the zone of action of the calculated wave parameters;
- the main structural elements of the station are made of composite polymer materials;
- the presence of a hydraulic system that provides the supply of seawater under pressure to the desalination sections or to the hydraulic turbine.



**Station models have passed multiple tests in the wave basin of the Institute of Hydromechanics of the National Academy of Sciences of Ukraine and in natural conditions in the Black Sea.**



*Where they have clearly demonstrated their effectiveness*



[https://www.youtube.com/watch?v=fv0632i4\\_pM&feature=youtu.be](https://www.youtube.com/watch?v=fv0632i4_pM&feature=youtu.be)

WIPO GREEN: <https://www3.wipo.int/wipogreen-database/SearchDetailPage.htm?id=9593>

Site: <https://krok-1.com/en>



## The CEO Water Mandate

12 February 2020

Oleksii Ovsanin  
Krok-1

Dear Oleksii Ovsanin,

With this letter we wish to thank you and to applaud your vision and leadership in endorsing the UN Global Compact's CEO Water Mandate.

You are among a select group of business leaders who recognize the ever-growing importance of sound water management and water stewardship. Indeed, the growing crisis in both water and sanitation in many parts of the world poses a range of risks – and, in some instances, opportunities – for companies in virtually all industries.

The CEO Water Mandate is designed to assist companies in the development, implementation, and disclosure of comprehensive water strategies and policies. It also provides a platform for companies to partner with like-minded businesses, UN agencies, public authorities, civil society organizations, and other key stakeholders.

We wish to draw your attention to three important engagement aspects and opportunities related to the CEO Water Mandate:

- 1) **Annual Working Conference.** The CEO Water Mandate convenes a global high-value working conference each year focused on a special aspect of water stewardship. We hope your company will actively participate in this important forum, through attendance by the relevant operational and/or sustainability officers.
- 2) **Communication on Progress.** All endorsers of the CEO Water Mandate are required to develop annual "Communication on Progress – Water" related to the implementation of the CEO Water Mandate's elements. We hope your company will familiarize itself as soon as possible with this requirement, which is fully described in the Transparency Policy of the CEO Water Mandate. [See: [http://ceowatermandate.org/Files/Transparency\\_Policy.pdf](http://ceowatermandate.org/Files/Transparency_Policy.pdf)]

Completed "CEO Water Mandate Communication on Progress" are to be sent each year to: [ceowatermandate@unglobalcompact.org](mailto:ceowatermandate@unglobalcompact.org)

- 3) **Partnering with Stakeholders.** One of the functions of the CEO Water Mandate is to facilitate collaboration between endorsers and relevant stakeholders in the areas of water and sanitation. We hope you will explore such collaboration opportunities. In particular, we would

like to draw your attention to the Mandate's Water Action Hub, an on-line platform to advance water and sanitation projects at the local level. [See: [www.watractionhub.org](http://www.watractionhub.org)]

If you have not already done so, we would appreciate if your office could complete – as soon as possible – this [short 7-minute onboarding survey](#) which will help us understand how best to assist your water stewardship efforts.

In addition, endorsers are strongly encouraged to set up a call with the Mandate Secretariat to learn about the Initiative's current focus areas, upcoming activities and events. To learn more about the Mandate's on-going activities and to schedule a call, please contact Mr. Peter Schulte at: [pschulte@ceowatermandate.org](mailto:pschulte@ceowatermandate.org)

In learning about the Mandate's activities, we also hope that you will consider joining the [Water Security through Stewardship Action Platform](#). The Action Platform is where all of the Mandate's programmatic work and working groups are focused. It is the core mechanism through which companies, UN entities, governments, NGOs, and other stakeholders work together to: 1) test, refine, and scale cutting-edge water stewardship practices and 2) foster local partnerships, collective actions, and policy engagement.

Thank you again for endorsing the CEO Water Mandate. We are confident that you will generate significant value from this initiative.

Sincerely,

Lila Kubassi  
Chief of Programmes  
UN Global Compact

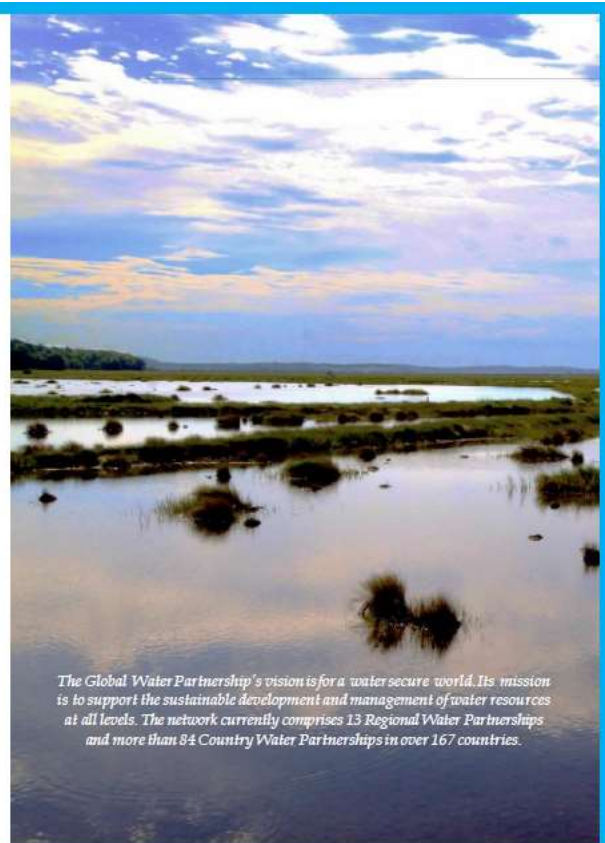
Jason Morrison  
Head  
CEO Water Mandate



This is to certify that  
**Krok-1**  
has become a Partner of  
the Global Water Partnership

Date  
2020-06-29

Peter Repinski, Interim Executive Secretary & CEO  
Global Water Partnership



The Global Water Partnership's vision is for a water secure world. Its mission is to support the sustainable development and management of water resources at all levels. The network currently comprises 13 Regional Water Partnerships and more than 84 Country Water Partnerships in over 167 countries.