

SEWAT

(Sustainable Energy by Waves Trap)

OUR GOAL IS TO PRODUCE SUSTAINABLE ENERGY AND GREEN HYDROGEN AT LOW COSTS TO BE ACTORS IN THE ENERGY TRANSITION

the planet is suffering
from the reckless use
of fossil fuels



life on the planet has
hope only with the
use of sustainable
energy

INNOVATION IS IN THE SIMPLICITY OF SEWAT

THE IDEA



energy extracted from
the waves by SEWAT



SEWAT

ENERGY



HYDROGEN



WASTED ENERGY

COAST EROSION

COAST PROTECTION

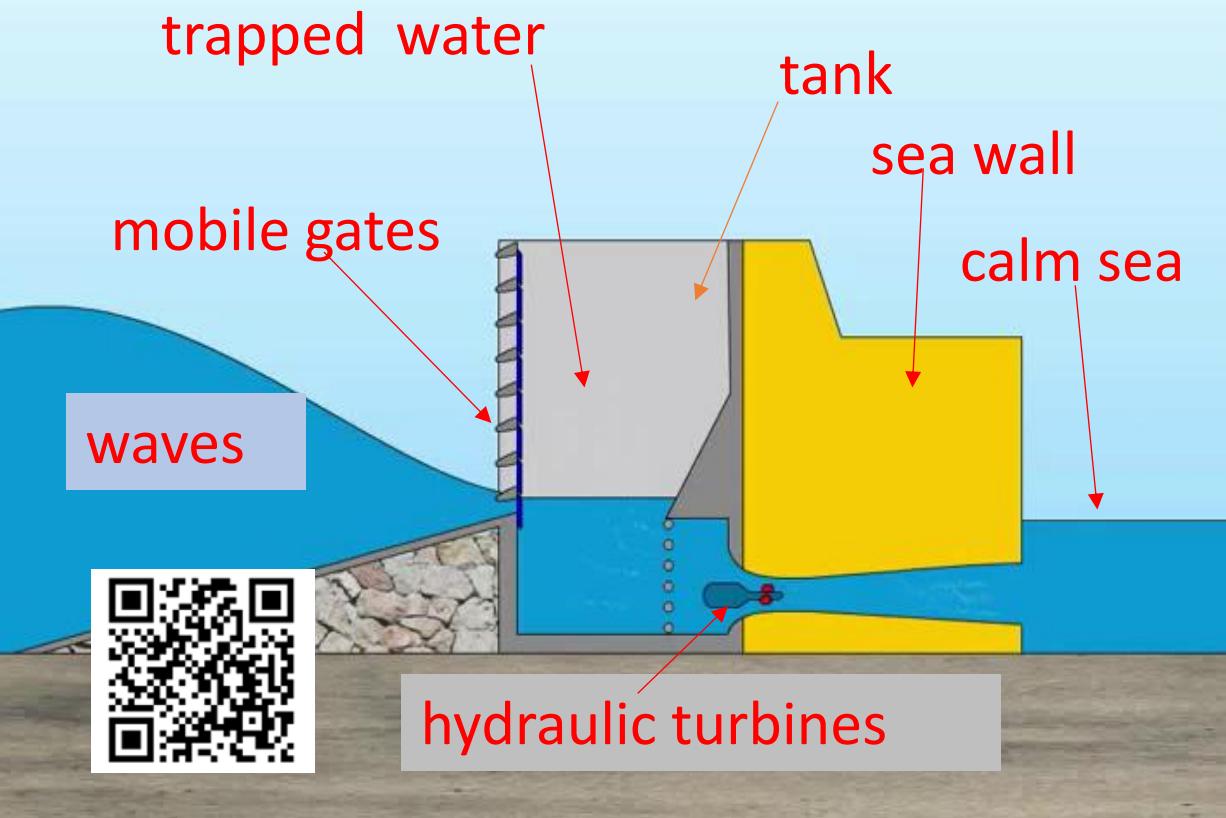
FLOATING WASTE COLLECTION

MONITOR SEA HEALTH

HOW IT WORKS

THE SEWAT DEVICE IS A TANK EXPOSED TO THE WAVES

THE WAVES CRASH IN THE TANK AND THE MOBILE GATES TRAP THE WATER IN THE TANK



HOW ENERGY IS PRODUCED

ENERGY IS PRODUCED IN FOUR WAYS WITH THE SAME DEVICE

- 1- EXPLOITING THE TRANSFER FLOW INTO THE SEA OF THE WATER TRAPPED IN THE TANK
- 2- EXPLOITING THE MOVEMENT OF THE MOBILE GATES
- 3- EXPLOITING THE WATER HAMMER IN THE MASS OF WATER IN THE TANK
- 4- EXPLOITING THE CONTINUOUS VARIATION OF THE WATER LEVEL IN THE TANK

PRODUCTIVITY

DESPITE THE SIMPLICITY SEWAT HAS GREAT PRODUCTIVITY



our prototype

WE ESTIMATE THAT, IN THE SOUTHERN ADRIATIC, A 50-METER MODULE WILL PRODUCE 5,500 MWh/year (THE ANNUAL CONSUMPTION OF 2,000 FAMILIES)



turbine rotation
by waves

LOCALIZATION

THE SUCCESSION OF TANKS CAN BE PLACED NEAR COASTAL DEFENSES OR BE A COASTAL DEFENSE ITSELF

NEAR BREAKWATER



NEAR SEA WALL



IN PLACE OF COASTAL DEFENSES



THE MAIN STRENGTHS



NO PRODUCTION OF WASTE, RESIDUES OR WASTEWATER



NO CO2 PRODUCTION



NO HYDROCARBONS, CHLORINE OR OTHER SUBSTANCES ARE USED



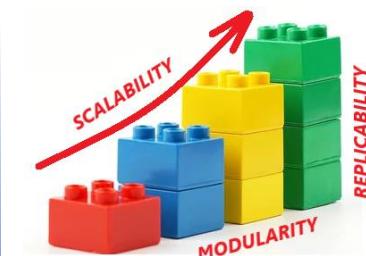
NO RISK TO THE COMMUNITY AND THE ENVIRONMENT



COMMON RECYCLABLE MATERIALS ARE USED



VERY LONG EFFICIENT PRODUCTION LIFE.
SHORT TIMES FOR COMMISSIONING



MODULAR, SCALABLE AND REPLICABLE EVERYWHERE



SIMPLE MAINTENANCE

SEWAT's UN 2030 Goals



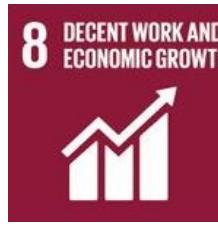
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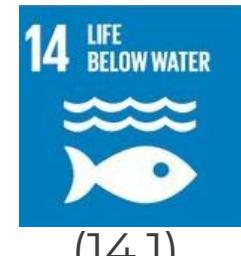
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(9.1)-(9.4)



(12.2)



(14.1)

THE TEAM

founders and developers of SEWAT



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HONORS AND AWARDS

SEWAT WAS THE WINNER IN VALENCIA (SPAIN) OF THE CHALLENGE "SUSTAINABLE MICROMOBILITY POWERED BY WAVE ENERGY" AS PART OF THE BLUE DEAL OPEN INNOVATION CHALLENGE, OF THE INTERREG-MED PROGRAM REGARDING BLUE ENERGY





DEFINITELY

**SEWAT WORKS WELL!!!! IT COULD BE A
GREEN HOPE FOR FUTURE GENERATIONS**

SEWAT IS THE CLASSIC 'EGG OF COLUMBUS'

has been defined

BRILLIANT IN ITS SIMPLICITY

THANK YOU FOR YOUR ATTENTION

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