

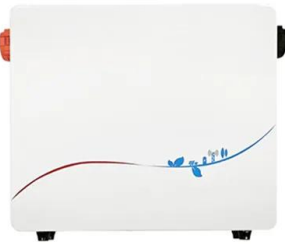
## European Solar and Energy Storage Solutions

# Clean energy solutions Curaçao



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### Curaçao takes important step towards a sustainable energy future ...

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The system will enable the expansion of renewable energy capacity and the reduction of carbon emissions, representing an important step towards a sustainable energy future for the island. The order was placed by Aqualectra, Curacao's government owned utilities company, and will be booked by Wärtsilä in Q2, 2024.



### Deploying the Clean Energy Revolution

We are going to make sure those hardest-hit places benefit from -- and see their future in -- these clean energy solutions. We have hard work ahead of us. But I am confident that DOE is up to the challenge of finding solutions that will ...

## Wärtsilä and Aqualectra

## partner to support Curaçao's ...

The combination of Wärtsilä's BESS and GEMS solutions, supported by the new power plant, will provide grid stability and reliability, reduce unserved energy, and help mitigate the risk of brownouts and blackouts.



## Powering Clean Energy Solutions

Using modeling and simulation, designs can be evaluated in a virtual setting and optimized to meet specific goals. This ebook features six inspiring stories of engineers and scientists who harnessed multiphysics simulation to bring their innovative ideas to life, each contributing to the advancement of clean energy solutions and a greener future.

## Clean Energy Future , 3M United States

At 3M, we understand the positive impact that building a clean energy future will have on our world. We have a long history of working with the Department of Energy to improve our clean energy solutions, and help our customers reduce their energy usage, and our materials science expertise has positioned us to help tackle the challenges in decarbonization and renewable ...



## CLEAN ENERGY ISLANDS AS RECOVERY?

solutions for islands and disseminates best practice. Who we are Greening the Islands is an innovative organization that supports self-

sufficiency and sustainability of islands worldwide. We aim at testing in the islands solutions as well as new economic and lifestyle models that can be applied everywhere. We match needs and solutions enabling



## Energy Snapshot Curacao

Energy Snapshot Curacao This profile provides a snapshot of the energy landscape of Curacao, an autonomous member of the Kingdom of the Netherlands located off the coast of Venezuela. Curacao's utility rates are approximately \$0.26 per kilowatt-hour (kWh), below the Caribbean regional average of \$0.33/kWh. Like many island



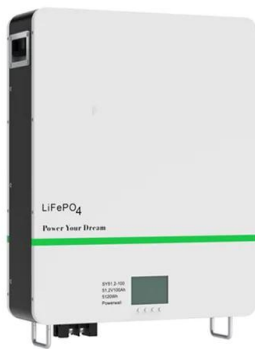
## Wartsila and Aqualectra partner to support Curacao's

Aqualectra Front Mathias West CFO Neysa Isenia Tganni Louisy Back Minister Charles Cooper Chairman of the Board Renny Oehlers Joseph Everon and Rudolf Garmes. Technology group Wartsila has again been contracted by Aqualectra, Curaçao's government owned utilities company, to provide Engineering, Procurement and Construction in support of the country's ...

## 100% RES Islands Initiative , Department of Economic and Social ...

The partnership with the islands of Curaçao aims to accelerate the transition to 100% renewable energy systems. Our core mission is to develop

science-based roadmaps towards complete



## What is "clean energy"? Is any kind of energy completely clean?

Clean energy technologies are in many ways very different from one another, but none directly emit CO<sub>2</sub>. 1 "A key word there is directly," says Jennifer Morris, a principal research scientist at MIT's Joint Program on the Science and Policy of Global Change and the MIT Energy Initiative. Even if they do not produce emissions during

## CuraC`ao takes important step towards a sustainable energy future ...

Technology group Wärtsilä will supply the Caribbean island of CuraC`ao with a 25 MW / 25 MWh Battery Energy Storage System (BESS). The system will enable the expansion of renewable energy capacity and the reduction of carbon emissions, representing an important step towards a sustainable energy future for the island.



## Wärtsilä and Aqualectra partner to support Curaçao's ...

The combination of Wärtsilä's BESS and GEMS solutions, supported by the new power plant, will provide grid stability and reliability, reduce unserved energy, and help mitigate ...



## Four innovative clean energy-generating solutions

We need to accelerate our global energy transition towards a cleaner, more equitable and secure energy system, or miss 2050 net-zero targets. But thousands of entrepreneurs are working on innovative solutions ...



## Curaçao to continue transition to low-carbon economy under new

The Government of Curaçao is committed to promoting a low-carbon economy with a new National Energy Policy that states Curaçao will increase its renewable energy penetration to 50% by 2030, reduce energy consumption by 25 percent by 2040, and realize transparent and effective institutions and regulations for the sector by 2030.

## Clean Energy Solutions , Westburne

We are knowledgeable about government programs and can guide you in applying for government innovation, clean energy, and infrastructure funding. Let Westburne help you

navigate the opportunities available. Together, let's power a sustainable future with clean energy solutions that make a difference.

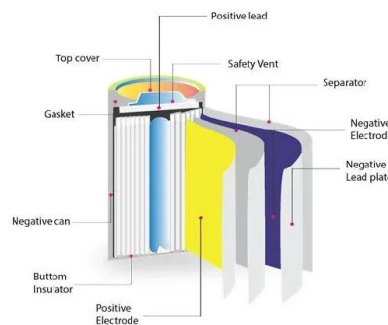


## Promoting Energy Efficiency through Policy

The Clean Energy for EU Islands Secretariat supports islands in their clean energy transition in the following ways: o It provides technical and methodological support to islands to develop clean energy strategies and individual clean energy projects. o It co-organises workshops and webinars to build capacity in island communities on financing,

## Complete renewable energy in 2033 feasible for Curaçao

To make Curaçao fully sustainable in 2033, the production of solar and wind energy is of great importance, as is proper energy storage. Wind turbines and solar panels play an important role in this. If traditional power generators are still necessary, then the use of biogas is a more sustainable choice.



## Clean Energy Solutions

Clean Energy Solutions, Inc., known to many of our clients as simply CESI, is a consulting firm headquartered in Boston, MA with staff in Washington, DC and NC. Our firm specializes in energy efficiency, renewable energy, and



distributed microgrid developments for low-income communities and for city and state policy makers.

## Energy Snapshot

This profile provides a snapshot of the energy landscape of Curacao, an autonomous member of the Kingdom of the Netherlands located off the coast of Venezuela. Curacao's residential utility rates are approximately \$0.35 per kilowatt-hour (kWh).



## Contact Us

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