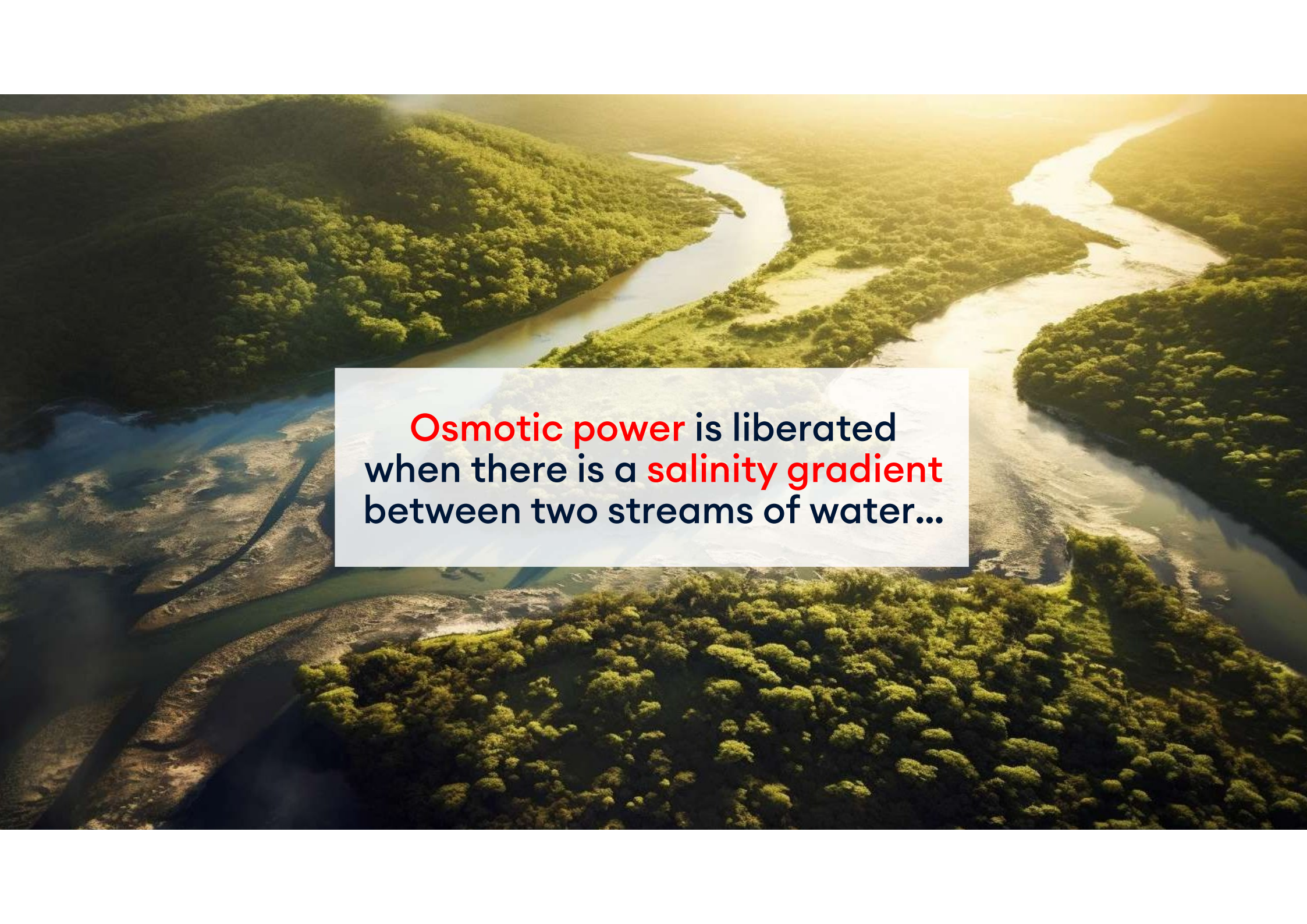


sweetch energy



An aerial photograph of a river delta, likely the Amazon, showing a complex network of water channels and lush green forest. The sun is low in the sky, creating a warm, golden glow over the scene. A semi-transparent white box is centered over the image, containing text about osmotic power.

Osmotic power is liberated
when there is a **salinity gradient**
between two streams of water...

Osmotic
⚡ **power**

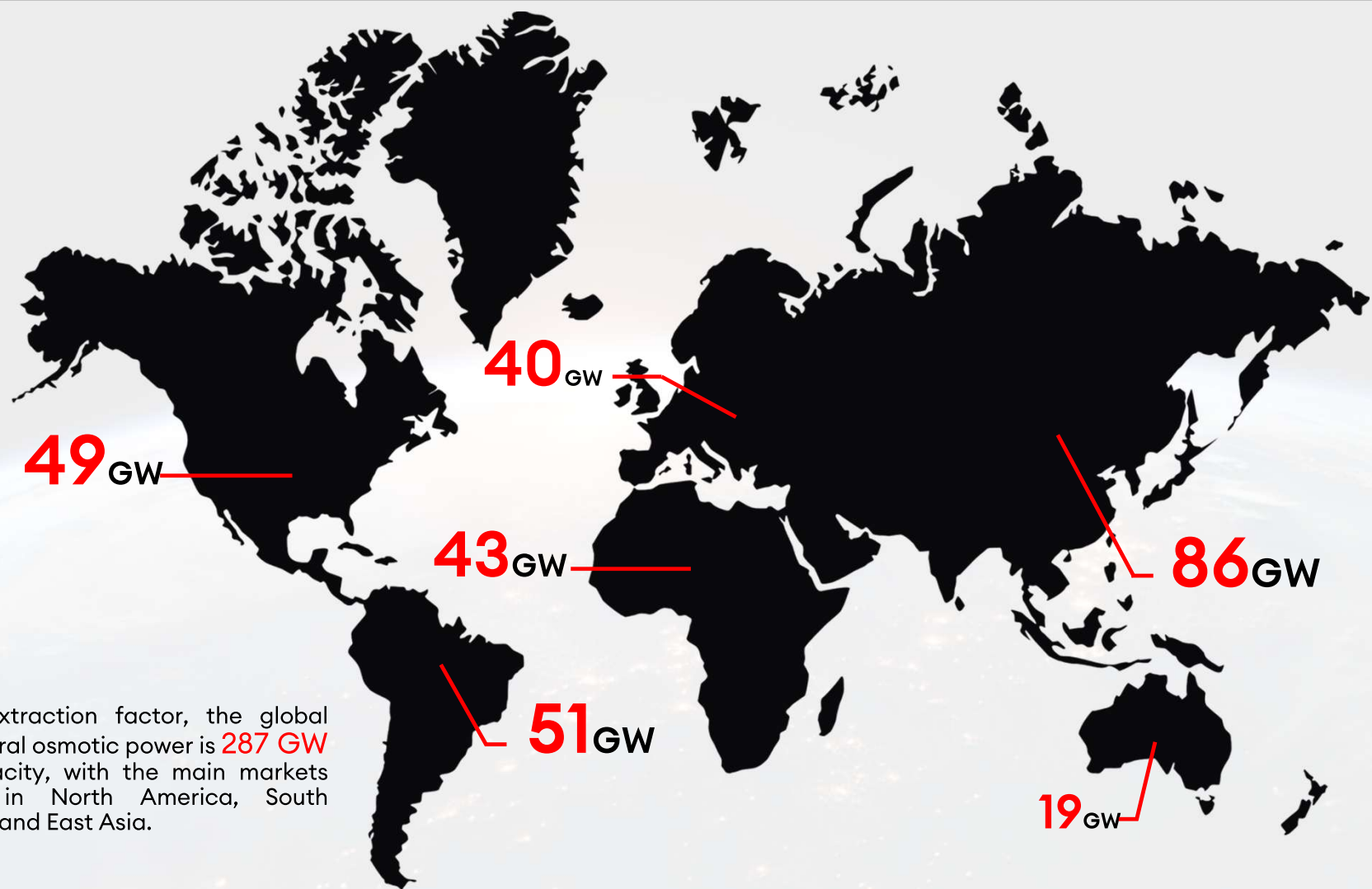
x

Natural
Zero-emission
Abundant
Permanent
Sovereign

Osmotic power
is **next-gen electricity**

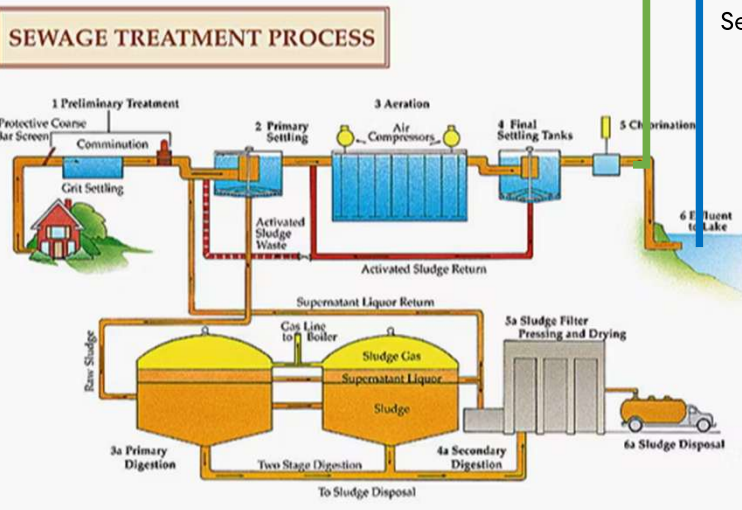
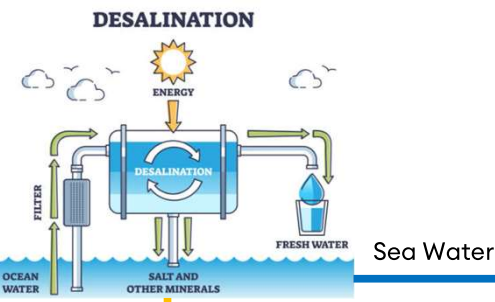
30,000 TWh

Every year. In all deltas & estuaries.



At a 20-40% extraction factor, the global potential for natural osmotic power is **287 GW** of installed capacity, with the main markets being located in North America, South America, Europe, and East Asia.

Industrial Osmotic Potential



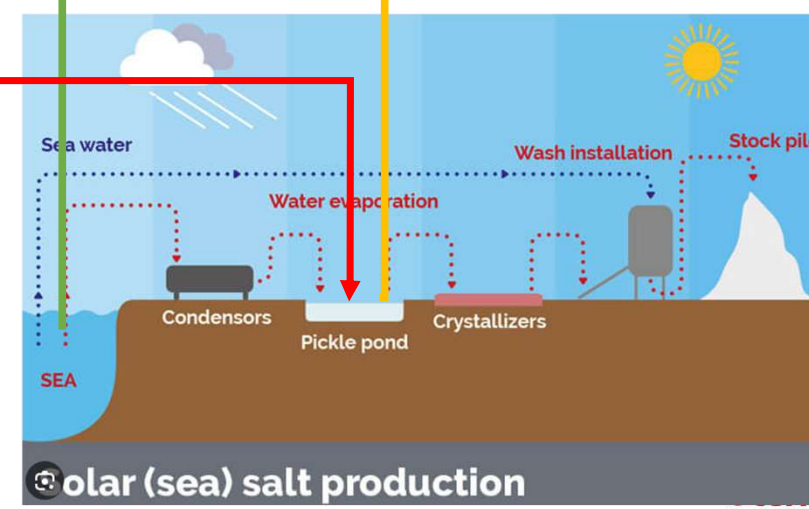
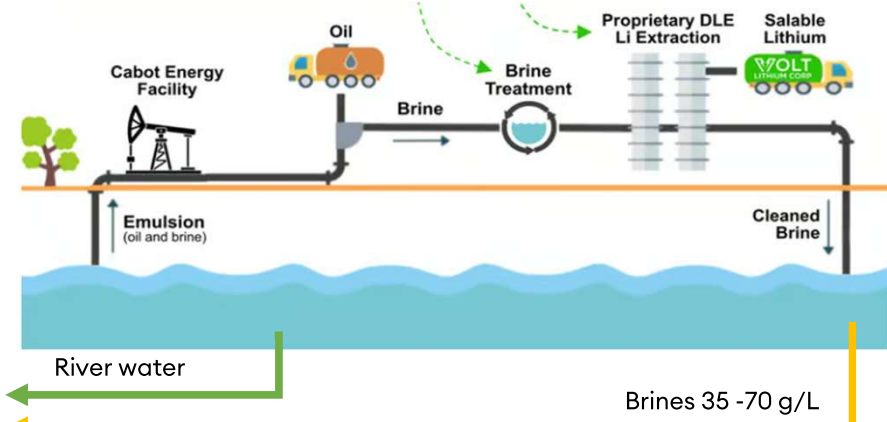
Permanent CO₂-free electricity is produced



Est. 11,000 plants(world) discharging in the sea
Potential : **3+ GW**

The water-mix is entirely released in the estuary & has no impact on its salinity

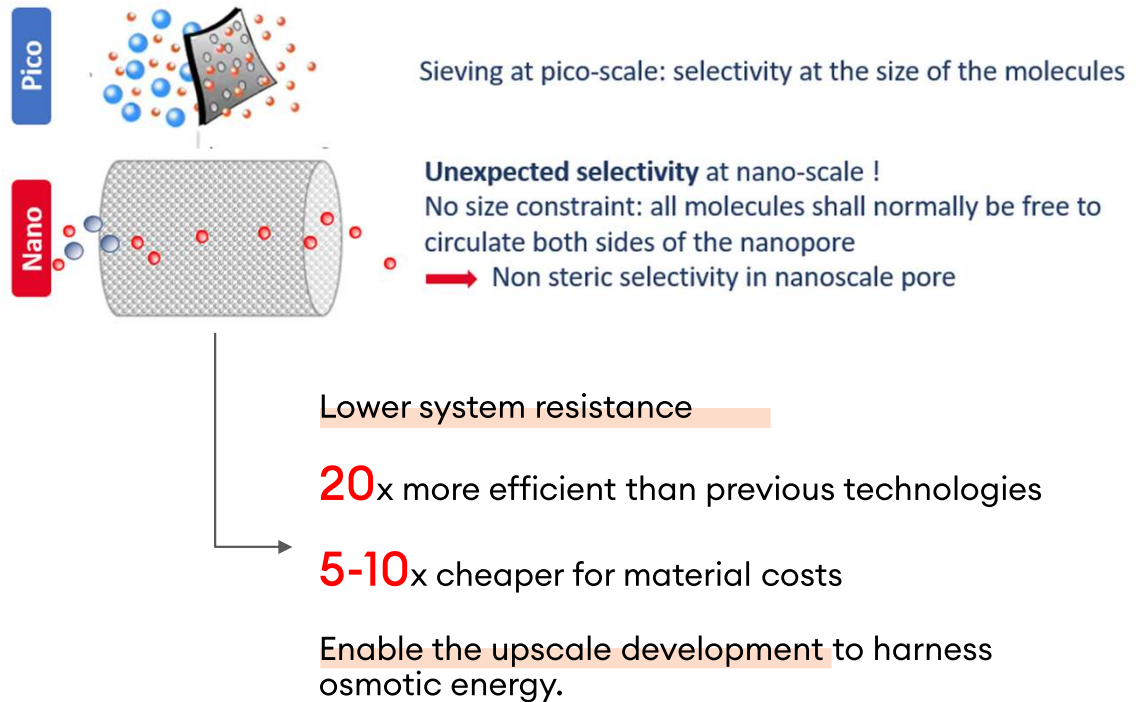
ALL INDUSTRIES GENERATING BRINES
(mining, chemical industries, agro industries, textile, ...)

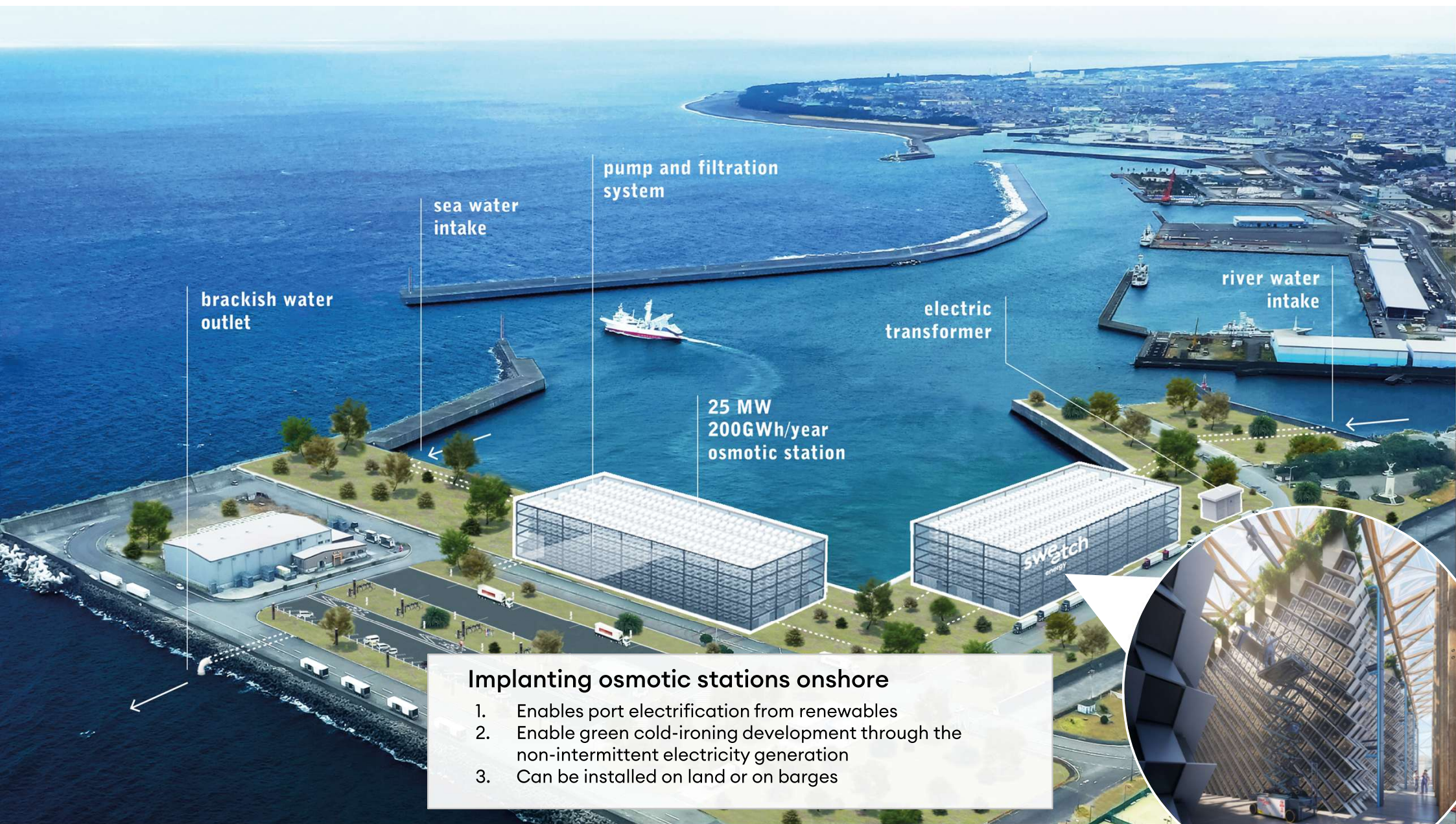


solar (sea) salt production



Sweetch Energy's **revolutionary** INOD® breakthrough





Sweetch Energy x net zero 2050

Osmotic power is **next-gen electricity**, as it checks all the boxes that are needed to reach the 2050 carbon neutral objective. Ultimately, it could provide up to **15%** of global electricity needs.

						Dispatch		
		Carbon Neutral	Distributed	Centralized	System modularity	Peaking	Flexibility	Baseload
Renewable Energy	INOD®	✓	✓	✓	✓	✓	✓	✓
	Solar PV	✓	✓	✓	✓	✓	✗	✗
	Solar Thermal	✓	✗	✓	✓	✓	✓	✗
	Geothermal	✓	✗	✓	✗	✗	✗	✓
	Onshore wind	✓	✗	✓	✓	✗	✗	✗
Conventional Energy	Gas peaking	✗	✓	✓	✗	✓	✓	✗
	Nuclear	✓	✗	✓	✗	✗	✗	✓
	Coal	✗	✗	✓	✗	✗	✗	✓
	Gas combined Cycle	✗	✗	✓	✗	✗	✓	✓





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www.sweetch.energy
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Barcarin pilot Plant

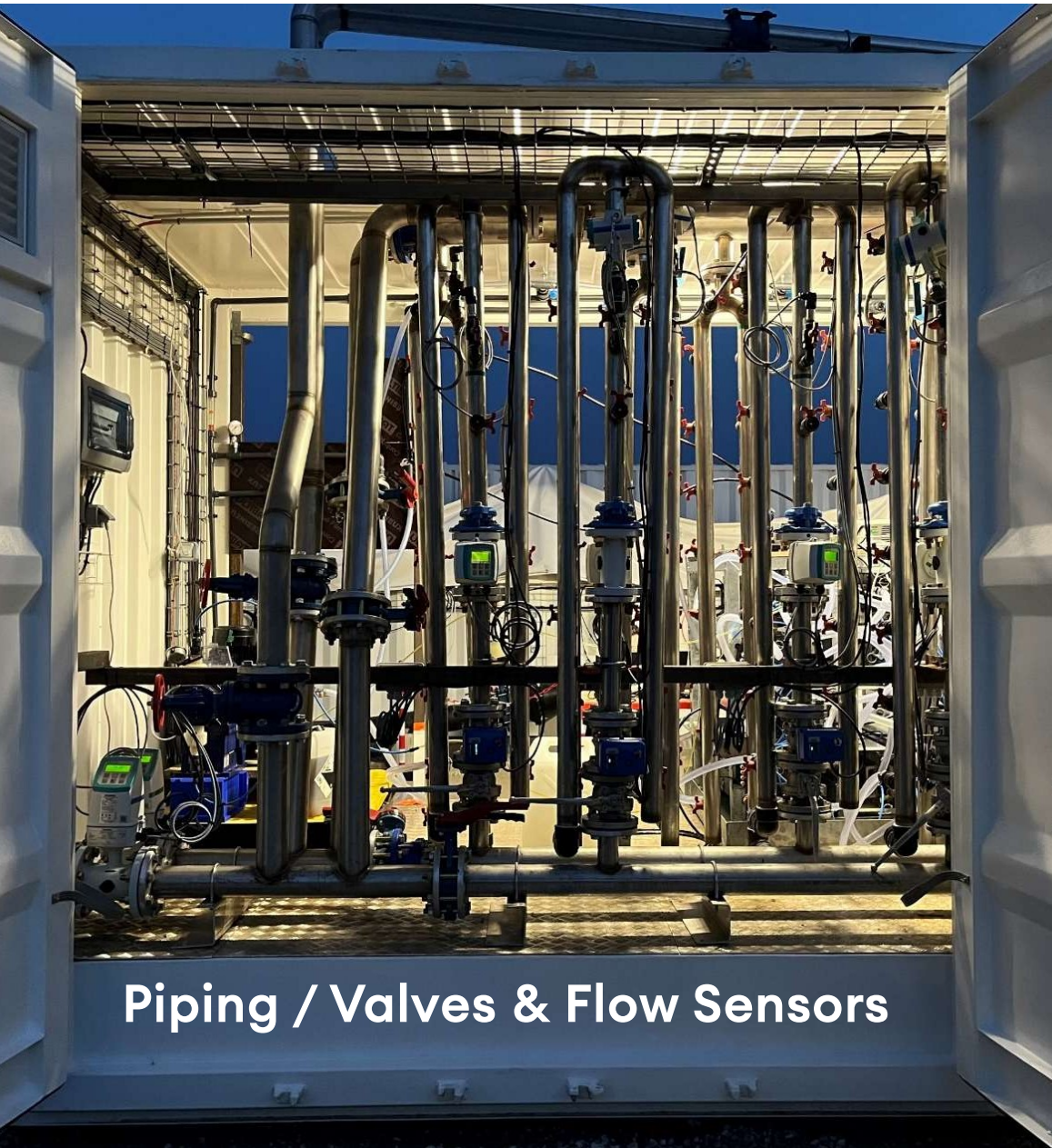




Upstream
tanks

Filtration
systems

CONFIDENTIAL



Piping / Valves & Flow Sensors

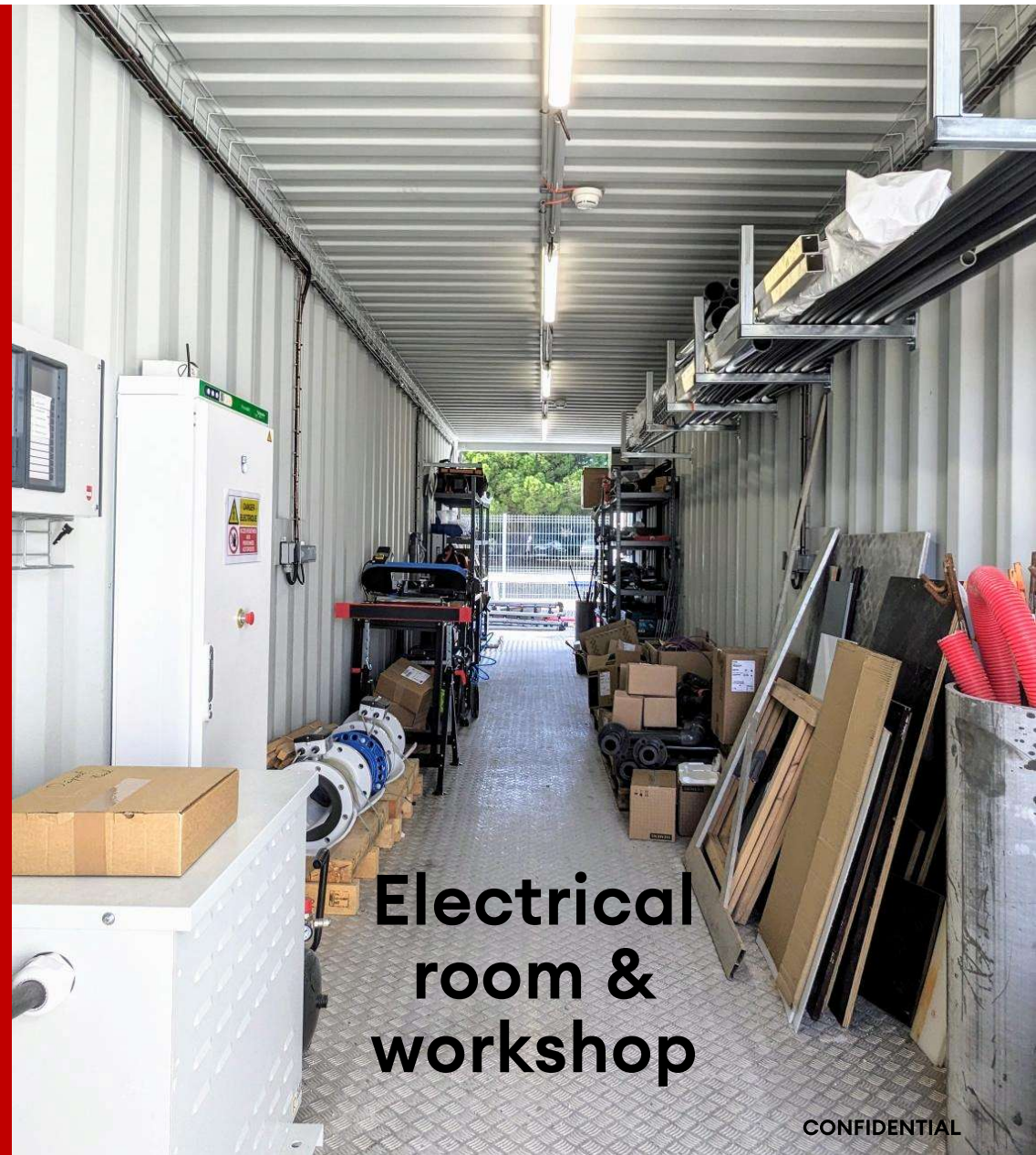
Pumps & Electrical Cabinet



CONFIDENTIAL



**Chemical
analysis**



**Electrical
room &
workshop**

CONFIDENTIAL