

Smart, decentralized, waste-to-Hydrogen ecosystems, for a sustainable, Zero-carbon future

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Yes, but...

Renewable Hydrogen needs to become part of an integrated energy system with the production of up to 10 million tons in the EU by 2030

Source: 2020 Hydrogen strategy for a climate neutral Europe

Meet market needs and still decarbonize?

Waste to Hydrogen technologies

Promising, but need to be improved

Issues to be addressed

- Environmental impact
- Efficiency
- Energy consumption (process parameters)

Standardized process

but adaptable to local conditions and waste inputs

Hydrogen
A huge
substitution market
worldwide







 Waste-to-Hydrogen processes will play a major role in multisector decarbonization...



1 kg clean Hydrogen

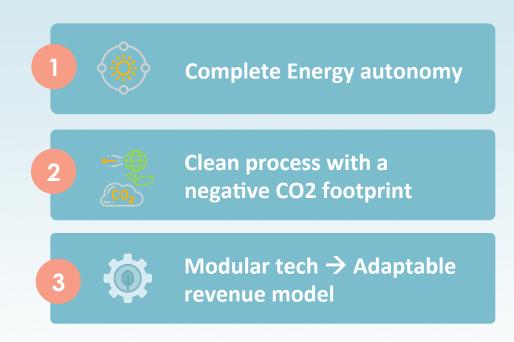
How do we build sustainable Clean Energy systems?



We solve the Hydrogen equation by removing the need for electricity

SMO Solar Process is a unique solar-powered Clean Waste-to-Hydrogen technology





Our Mission

Accelerate just energy transition, even in isolated areas, leaving no one behind, by offering solutions to carbon-intensive sectors

SMO technology offers drastically cheaper green Hydrogen



Thanks to SMO tech unique features, we offer affordable clean Hydrogen



By 2024, we operate one SMO unit on Cres...



We treat

10 kt/yr

Waste



We produce 800 t/yr Clean Hydrogen



We produce 1900 t/yr Carbon black



We remove 15 kt/yr CO2eq

Adapting to local conditions for more benefits



Showcase a solution supporting the environment and the circular economy



Use waste in a smart waste-to-energy system and achieve CO2 neutrality



Become energy sufficient and autonomous through clean energy produced on the spot

 $40 \rm t$

Waste Treatment/day

2.5t

Clean Hydrogen/day 20_{years}

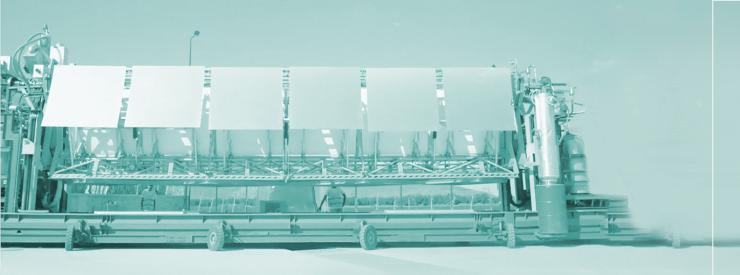
Economic life per plant



Clean electricity, any time

ACTIVE • SOLERA

Clean, Green, Profit Machines



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