



Sasit Lab
Sasan Innovation & Technologies

BUILDING. FUTURE. NOW.

Solid State Hydrogen Storage – New Materials

Hangama Wanner - CEO

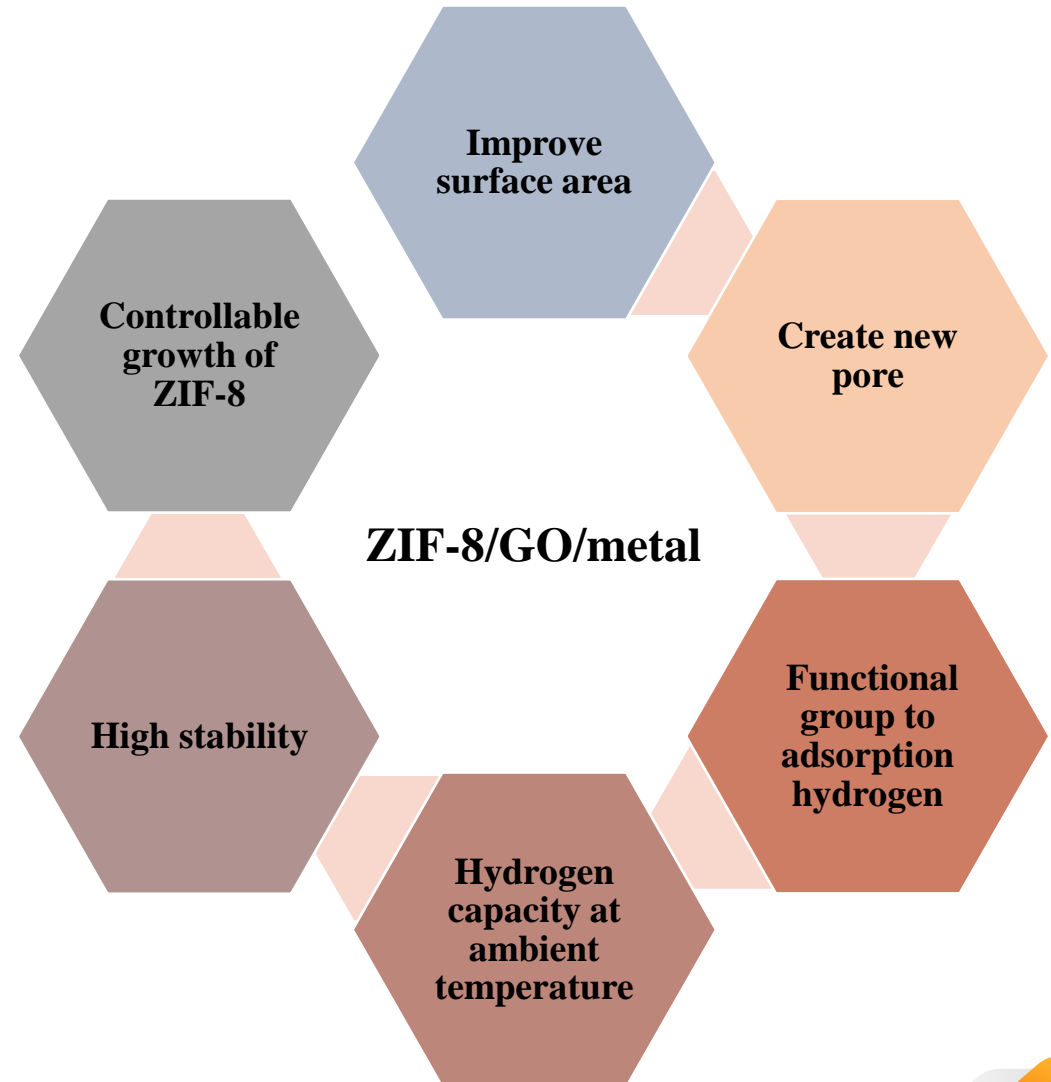
ENERGY Startup
Day 2023

The Challenges



OUR Revolutionary Solid-State Hydrogen Storage Materials Technology

- In line with R&D efforts in world, we have focused on designing and synthesizing materials with **more efficient hydrogen storage capabilities**.
- Our approach involves producing multi-component **composites** composed of **different materials**, utilizing the properties of each in the final composite.
- To this end, we leverage the properties of materials such as MOF, graphene, metals and so on for our specific goal.
- We are dedicated to offering innovative solutions that tackle these limitations by utilizing more affordable materials and simpler synthesis methods.
- This approach not only **reduces overall costs** but also **enhances efficiency** under ambient conditions, promoting eco-friendly hydrogen storage



Benefits & Market

↑ 5%
efficiency

↓ Space

24.5 Billions
by 2030

↑ Energy

↓ Costs



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<https://www.sasit.ch/projects/h2-storage/>

Thank You
&

H₂appy

H₂olidays