

Dr Enass Abo-Hamed

Enass, is an activist, business woman and entrepreneur from Palestine. She co-founded H2GO, an engineering company developing new ways to store clean energy at the age of just 28.

What is H2GO?

H2GO power is an energy storage company that provides long term storage for renewable energy in the form of hydrogen. It provides an efficient and cost effective alternative to electrical and gas grid networks.

Why did Enass create H2GO?

During a trip to Africa when studying for her PhD, Enass realised how much of a luxury electricity was, with some hospitals only receiving power for 12 hours of the day, and households rushing to do all their cooking and reading while the electricity lasts. Enass saw this as a problem that engineering could fix, and in the process, help save lives and the environment too.

Why does the world need H2GO?

Over 1 billion people in the world don't have regular access to electricity. Being able to store energy for a long period of time allows people to keep a supply of energy to use when access fails. Without building new power stations or a power grid.

How can a hydrogen battery benefit the environment?

The only waste product of H2GO's hydrogen batteries is water. The waste products of many electricity sources are Carbon Dioxide and Nitrogen Oxide, which are toxic and contribute to global warming. Enass believes that there is 'scope for hope' in the future, her engineering work focuses on sustainable energy solutions that are accessible for everyone.

Learn more from Enass at bit.ly/2TBKSun

NOW IT'S YOUR TURN

Can you identify a climate issue in another country and engineer a sustainable solution? Do some research and get designing!

Discover week 5, with a dynamic invention, futuristic engineer, and fun new challenges!

