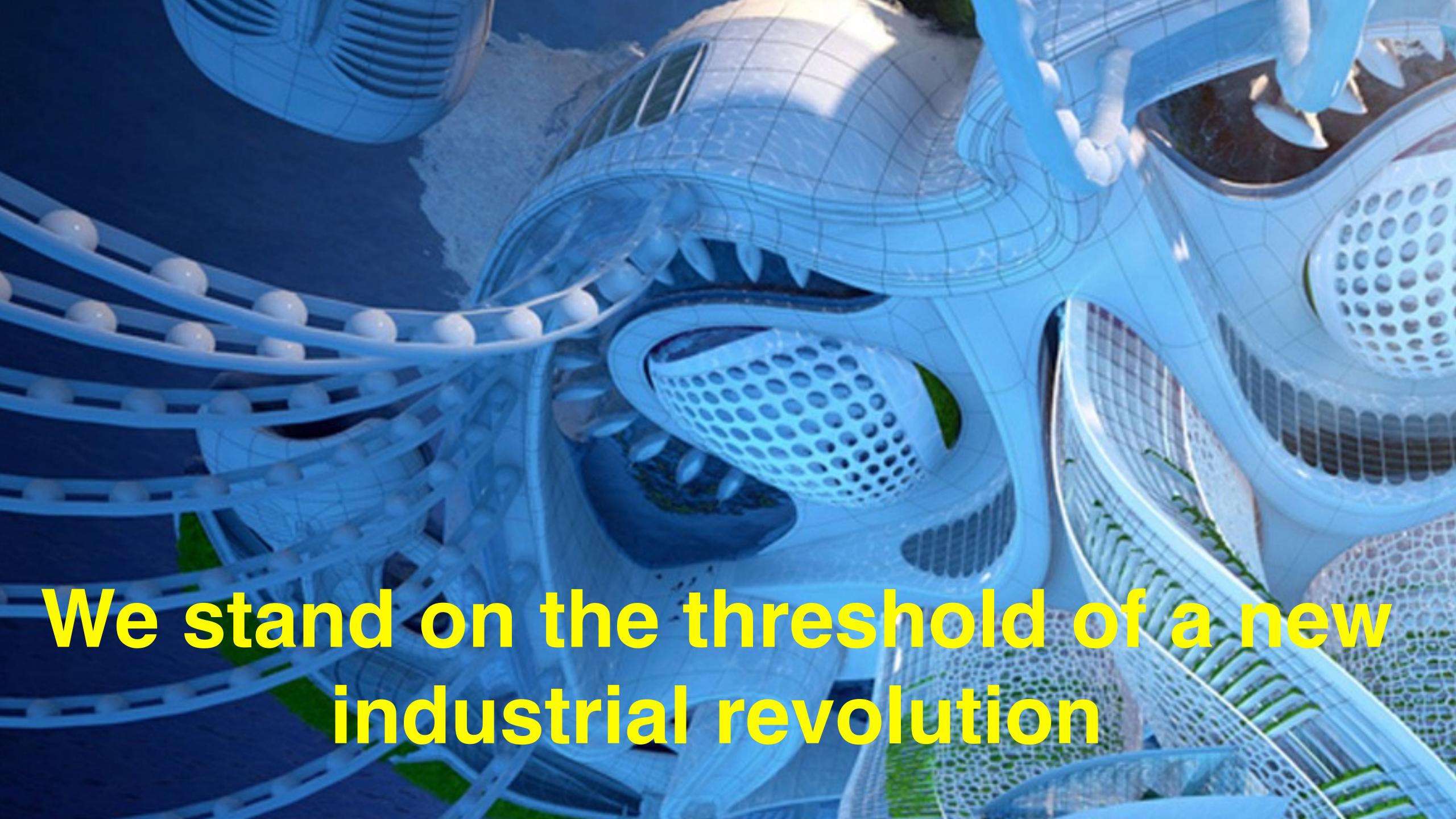


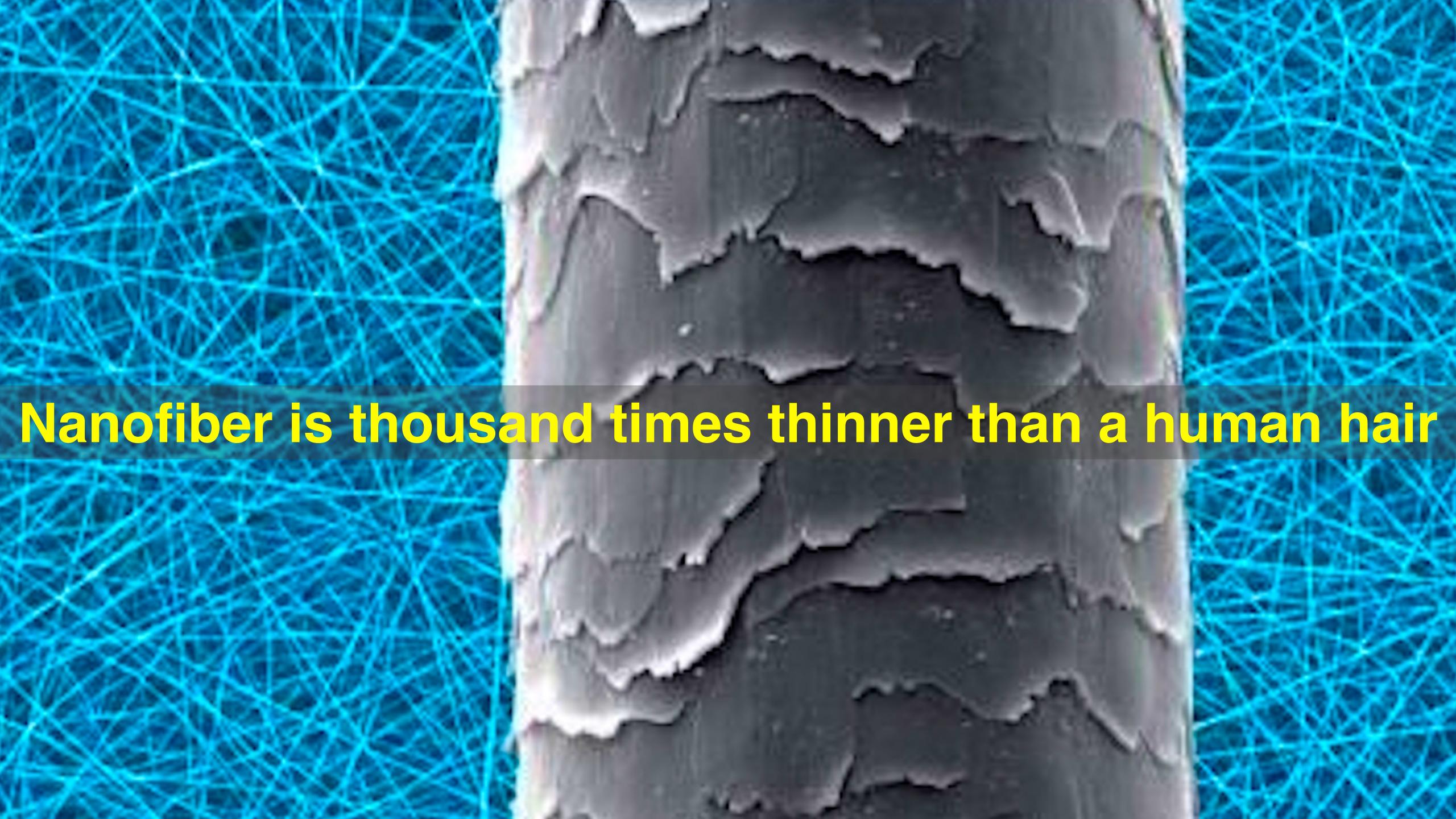


JIŘÍ KŮS

Czech Nanotechnology Industries Association



Richard Feynman 1959 1981 Scanning tunneling microscope STM 1986 Atomic force microscope AFM **Eric Drexler Engines of Creation** 1986 Carbon nanotubes 1991 First nano company Zyvex in USA 1997 Start of commercial applications of nanotechnology, NNI 2000 2004 Czech nanospider technology for industrial nanofibres production















































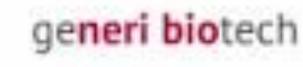




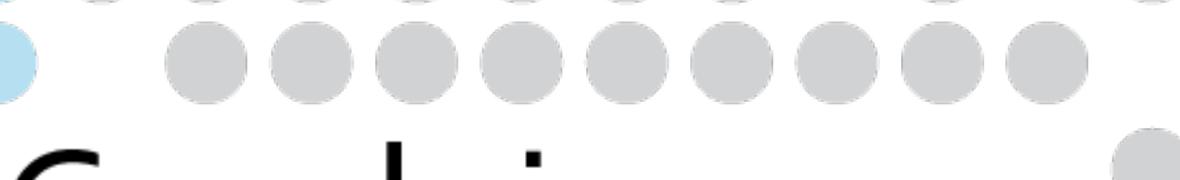






















## DRINKING WATER FOR ASTRONAUTS

Czech nanotechnologies can produce drinking water even from faeces and urine of astronauts on long space missions.

But also help on earth with water purification from radioactivity or Ebola virus.









NANOTECHNOLOGY HELPS ALLERGIC PERSONS

The first concept in the world of hypoallergenic interior based on nanotechnology.

Nanofibre barrier bedding is an innovative way how to protect against dust mites and their allergens









## NANOPARTICLES PURIFY THE AIR

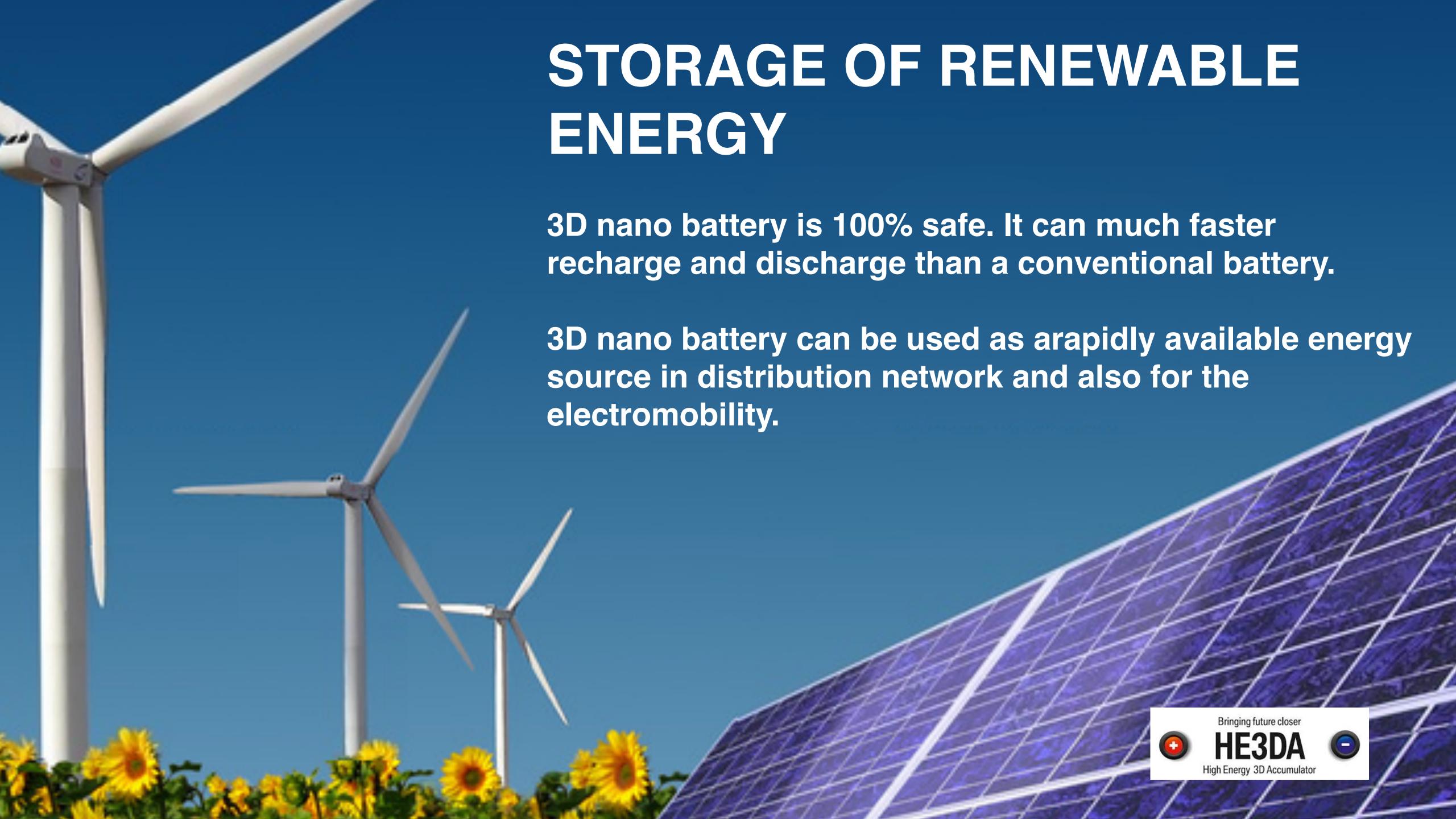
Titanium dioxide nanoparticles in a clever photocatalyst coating purify the air from all organic contaminants, including viruses and bacteria.

Smart coating also prevents dirt depositing on the facade.









## NANOTECHNOLOGY FOR EVERYDAY LIFE

Tie with hydrophobic anti-smudge surface will stay cleaner for longer.

Nanocosmetics for complete treatment and protection of the car.



Nanofiber accelerates the healing of acne.

nanosilver

**Antibacterial clothes and linens** with nanosilver increases the prevention of skin diseases and unpleasant odors.









