



# Czech is nano

JIŘÍ KŮS

*Czech Nanotechnology Industries Association*

**We stand on the threshold of a new industrial revolution**



**1959 Richard Feynman**

**1981 Scanning tunneling microscope STM**

**1986 Atomic force microscope AFM**

**1986 Eric Drexler Engines of Creation**

**1991 Carbon nanotubes**

**1997 First nano company Zyvex**

**2000 Start of commercial applications of nanotechnology, NNI**

**2004 Czech nanospider technology for industrial production of nanofibres**



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# **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 for hotel, home, doctor's surgery, schools, wellness and fitness.

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→ solution

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# REPLACEMENT HUMAN ORGANS

Czech nano3D printer builds an artificial scaffold around which the stem cells in the laboratory complete the human organ.