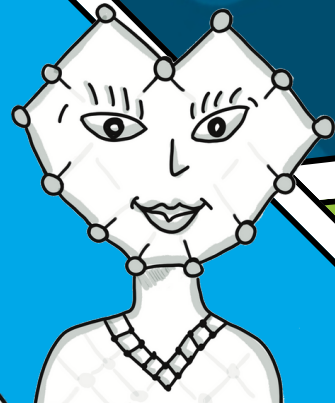


Nano the MOF
& Professor Theodore
save the planet!

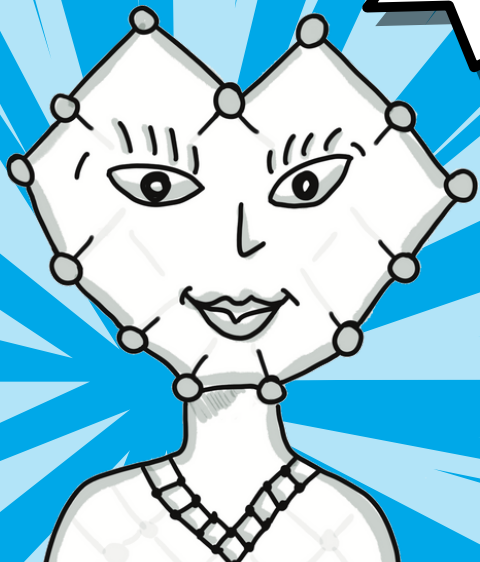




PROFESSOR
THEODORE



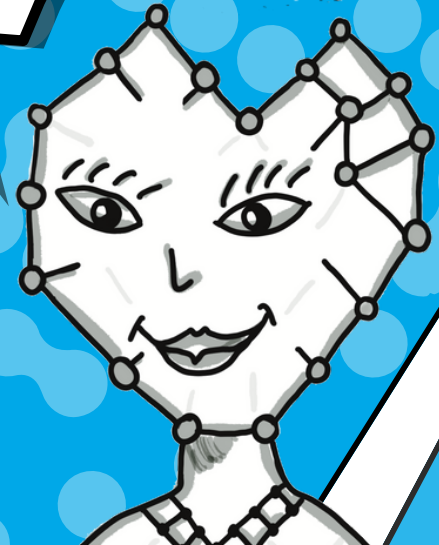
NANO THE
MOF



Hi, I AM NANO
THE MOF

I AM VERY SMALL
AND I HAVE A
SUPER-POWER!

WITH PROFESSOR
THEODORE,
I CAN SAVE THE
PLANET!



DO YOU WANT TO
DISCOVER HOW?





EPISODE 3

How Nano the MOF
and Professor Theodore
save the planet!

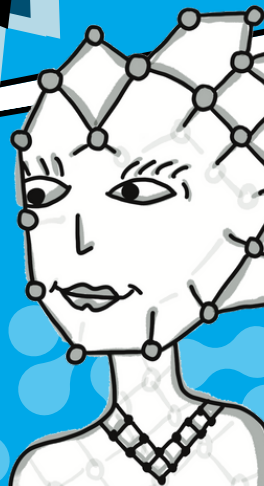


NANO THE MOF,
THE PLANET IS
THREATENED BY
CLIMATE CHANGE!

WE NEED CLEAN
VEHICLES, PURE AIR
AND NO CO2 EMISSIONS
ANYMORE.

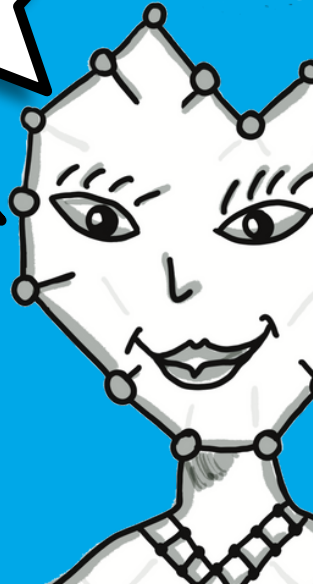
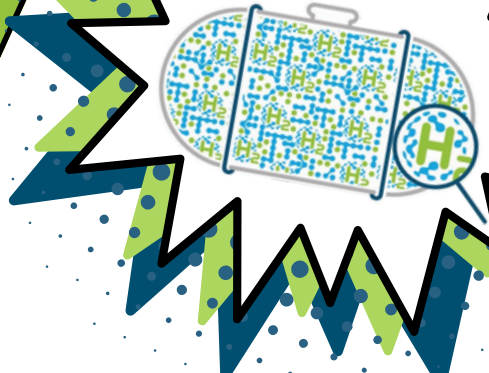
WITH MY NEW
SUPER-POWER I
CAN HELP!

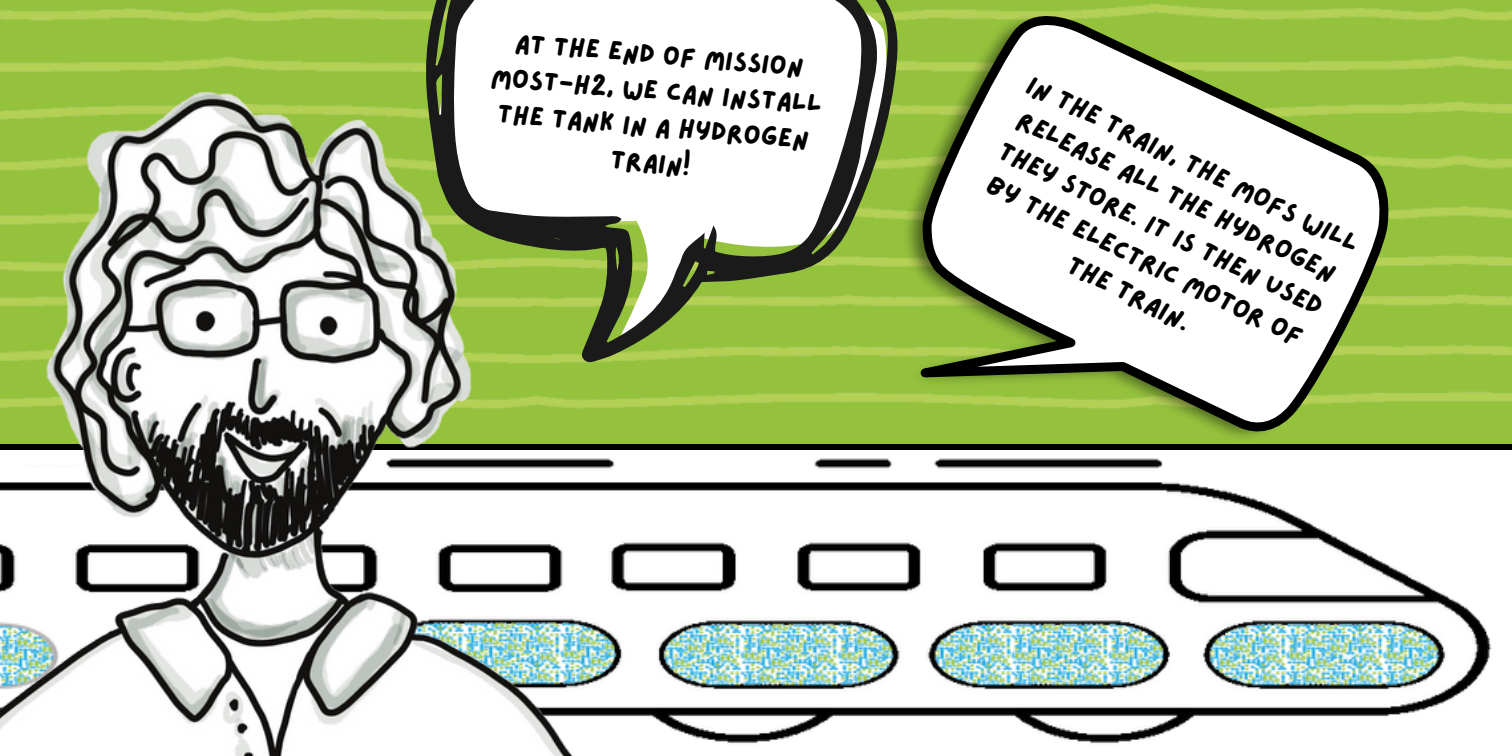
LET'S START WITH
USING HYDROGEN IN
TRAINS.



DURING MISSION MOST-H₂,
WE FIRST NEED TO FIND AN
EASY AND FAST WAY TO
PRODUCE A LOT OF MOFS LIKE
YOU!

AND THEN WE BUILD A TANK
TO PUT THEM IN.
IN THIS WAY, THEY CAN SAFELY
STORE AND TRANSPORT A LOT
OF GREEN HYDROGEN.





AT THE END OF MISSION MOST-H2, WE CAN INSTALL THE TANK IN A HYDROGEN TRAIN!

IN THE TRAIN, THE MOFS WILL RELEASE ALL THE HYDROGEN THEY STORE. IT IS THEN USED BY THE ELECTRIC MOTOR OF THE TRAIN.



SO MY SUPER ADSORPTION
POWER CAN MOVE TRAINS!

AND THIS WITHOUT EMITTING
POLLUTANTS AND CO₂.

THIS IS CALLED CLEAN
MOBILITY
AND WILL HELP TO SAVE
THE PLANET!



THE END



THANK YOU

Nano the MOF and Professor Theodore got a lot of money from the European Union for helping to save the planet.
They say: "Thank you!"

AUTHORS

Idea & texts:

Marie-Eve Reinert (Steinbeis Europa Zentrum)

Illustrations:

Hanna Schaefer (Steinbeis Europa Zentrum)

Scientific direction:

Theodore Steriotis (National Centre for Scientific Research "Demokritos") &
Marta Rubio (Steinbeis Europa Zentrum)

SOURCES

For writing the "Learn more" sections, the authors used vocabulary.com, kids.kiddle.co, academickids.com and similar sources