

Znc

znanost na cesti  
science on the street



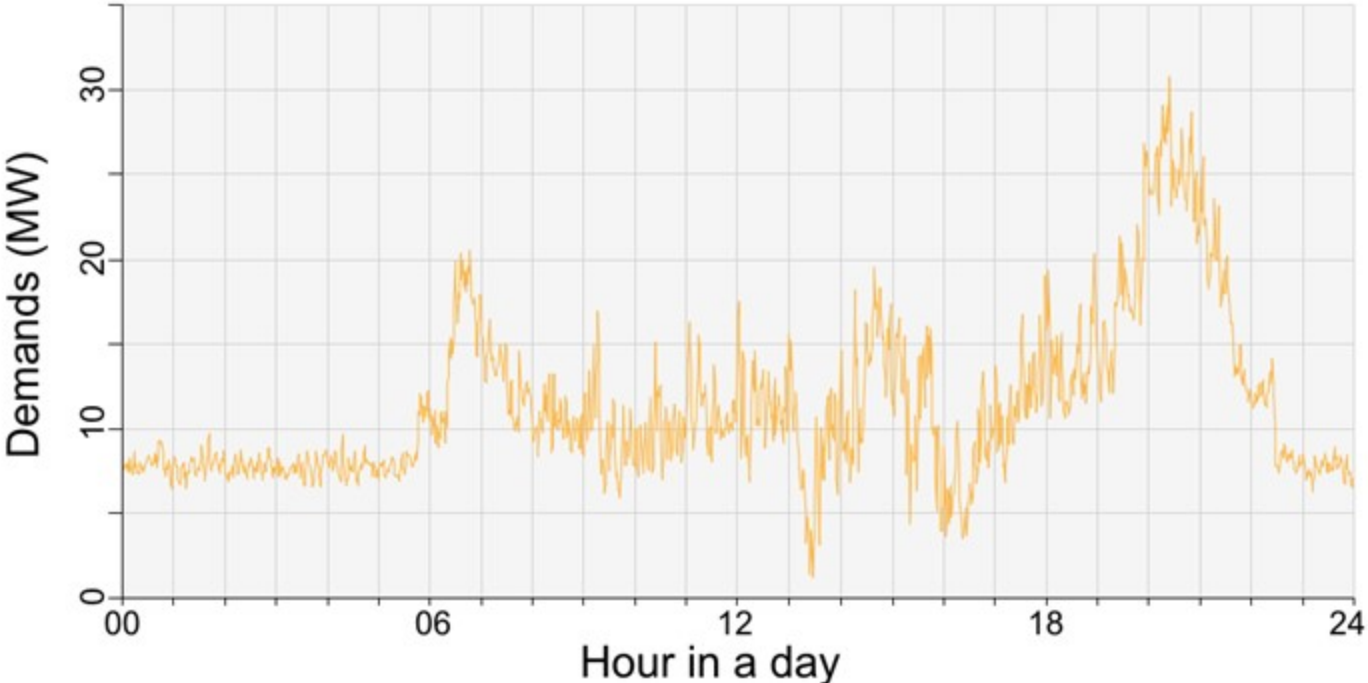
Znanost na cesti in  
Univerza v Novi Gorici



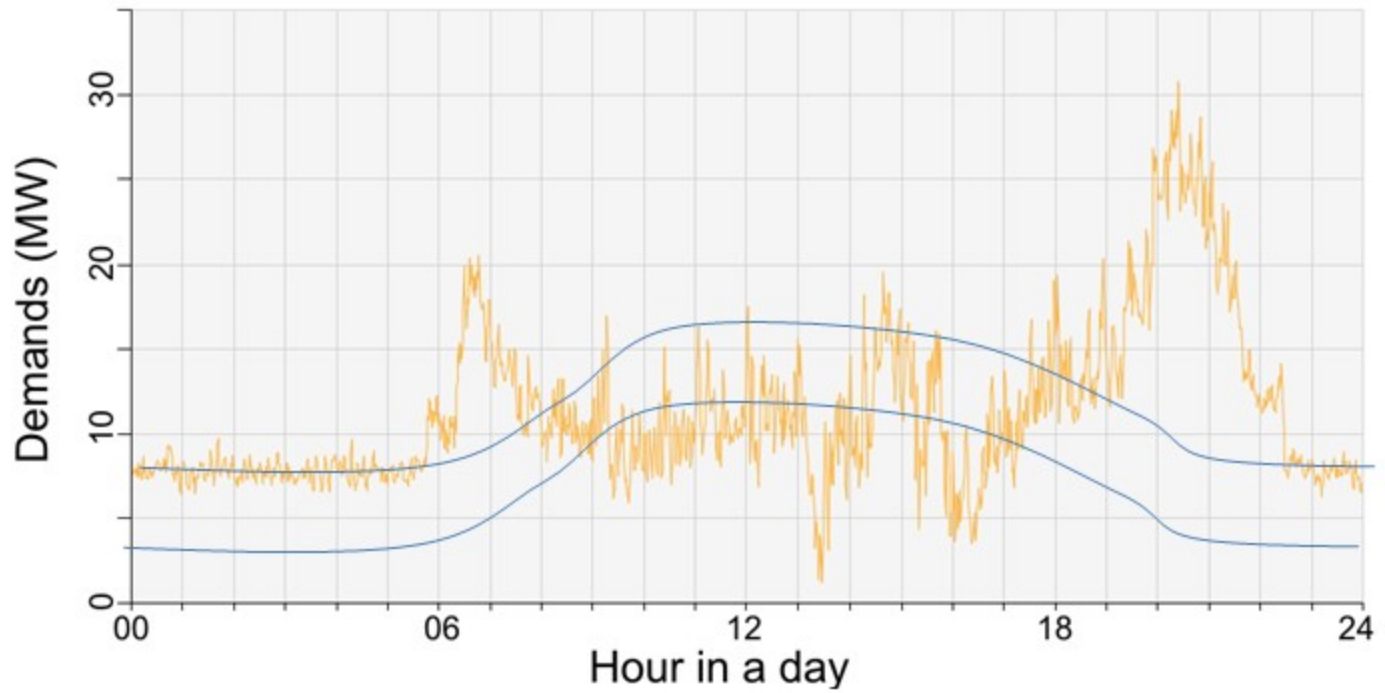
# Problem oskrbe z elektriko iz obnovljivih virov

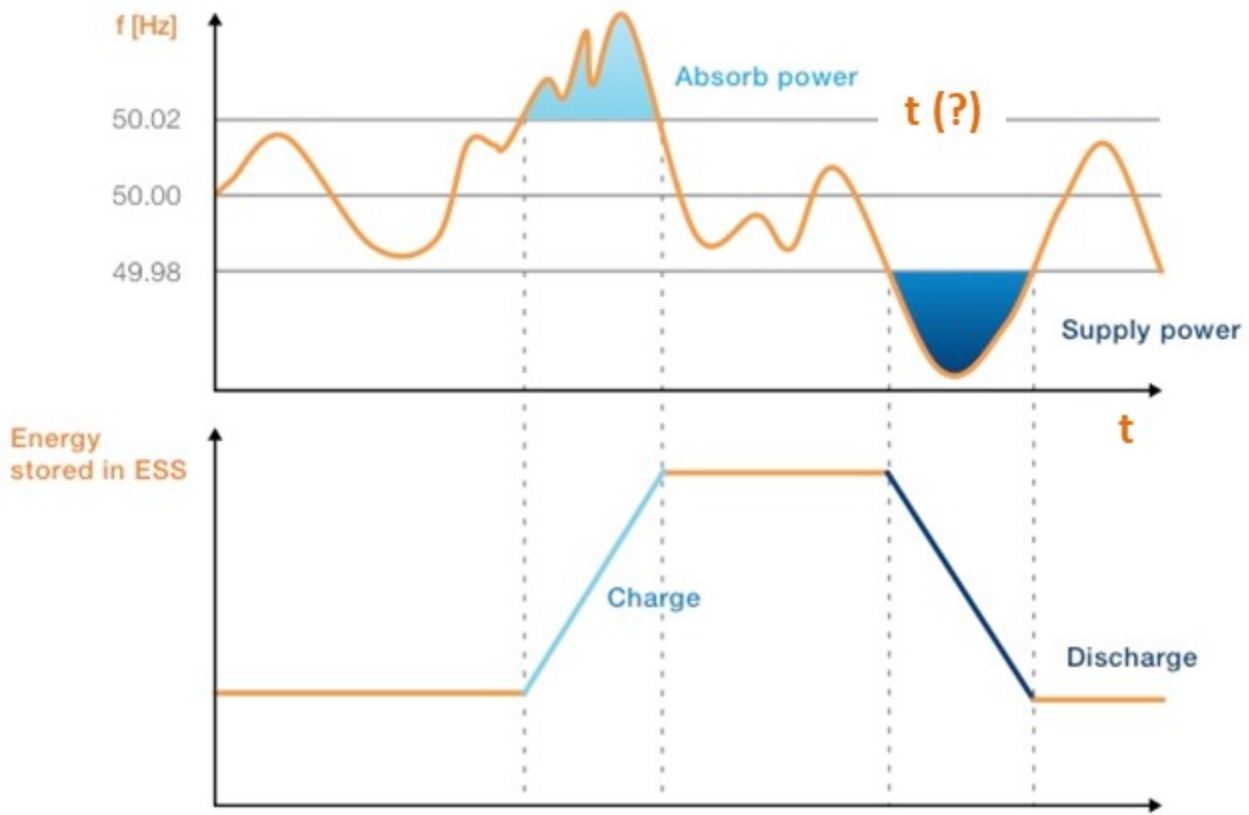
prof. dr. Matjaž Valant  
(Laboratorij za raziskave materialov, UNG) in  
Renata Dacinger

# Typical daily electricity demands



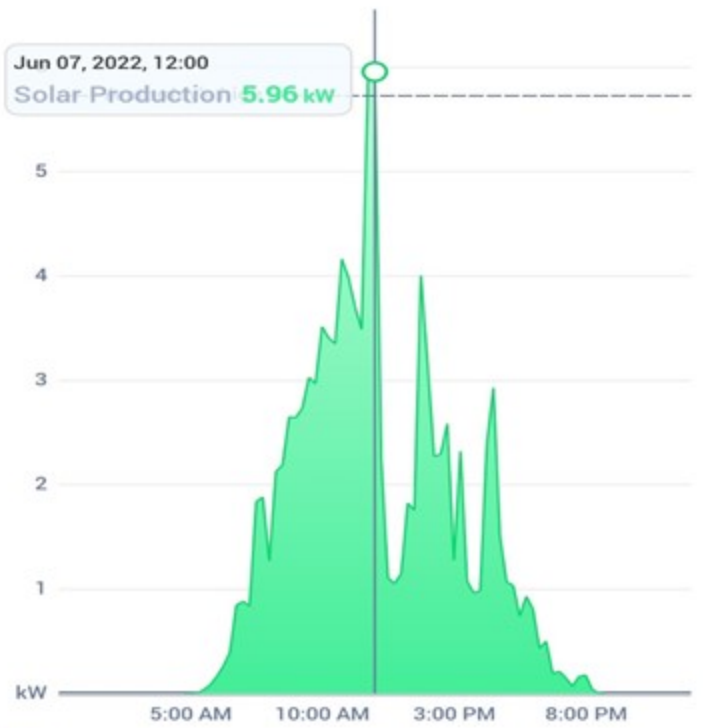
## Typical daily electricity demands





Production

28.3 kWh

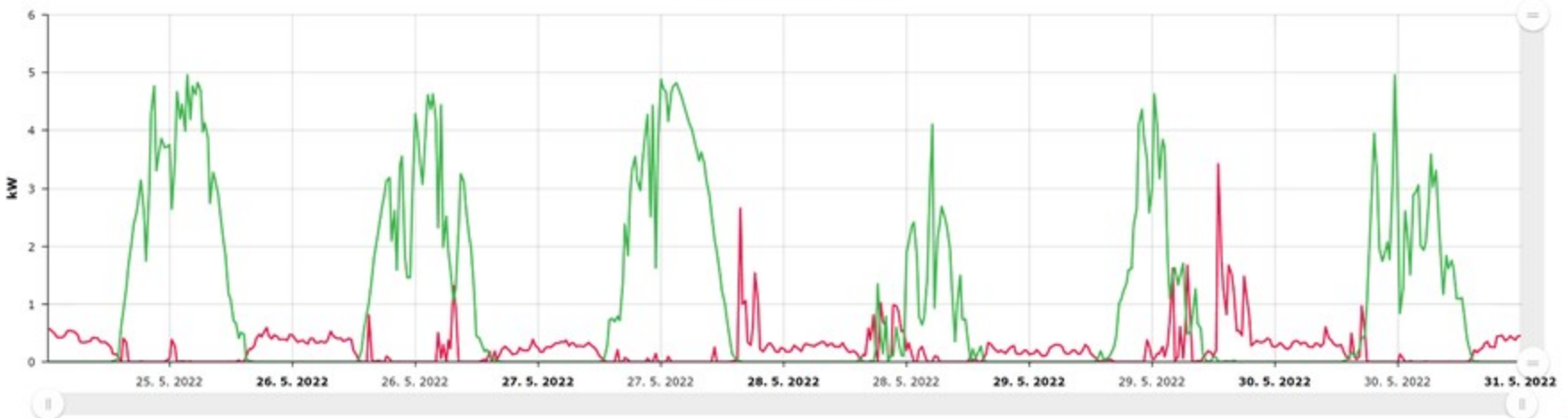


● Solar Production

25.05.2022 - 31.05.2022

Energija    **Moč**    Izvozi

### 15 minutni odbirki (moč)

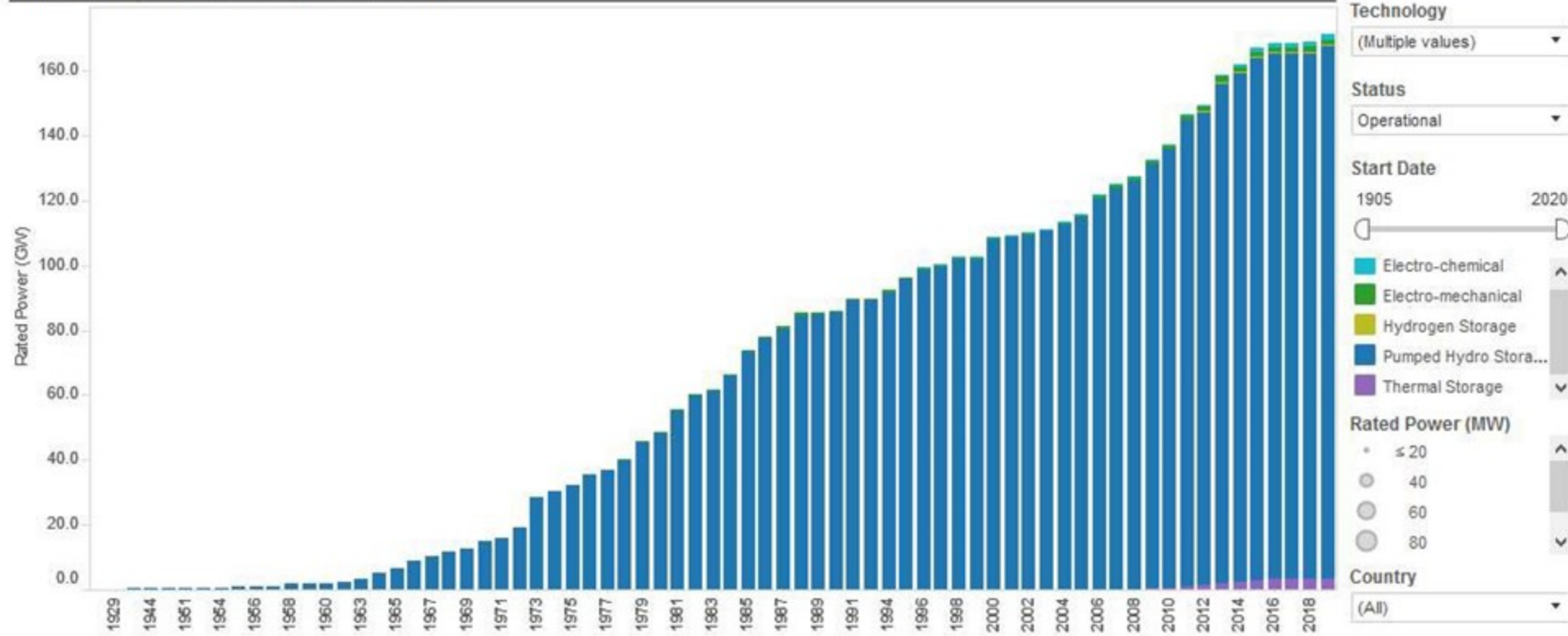


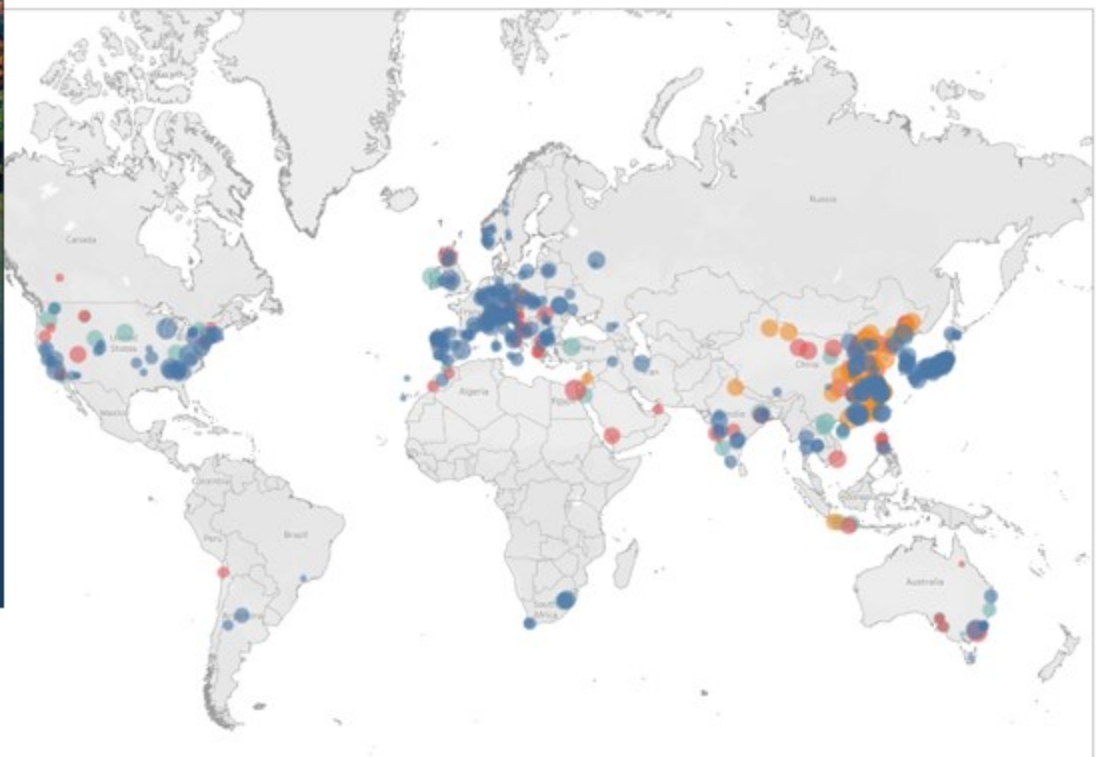
— A+ MAX: 3,42 kW MIN: 0,00 kW    0,00    — A- MAX: 4,96 kW MIN: 0,00 kW    0,00

# DOE Global Energy Storage Database

Last Updated 8/16/2016 1:25:38 PM

## Global Project Installations Over Time









HYDROGEN ECOSYSTEM NORTH ADRIATIC

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Conference

North Adriatic Cross-border Hydrogen Valley

24 November 2021

Organised by FCH-JU and ECUBES

HYDROGEN SYSTEMS

Innovative  
Fuelling solution  
for a more  
sustainable  
world.

HYDROGEN SYSTEMS  
NANO



## TEC snovni krog



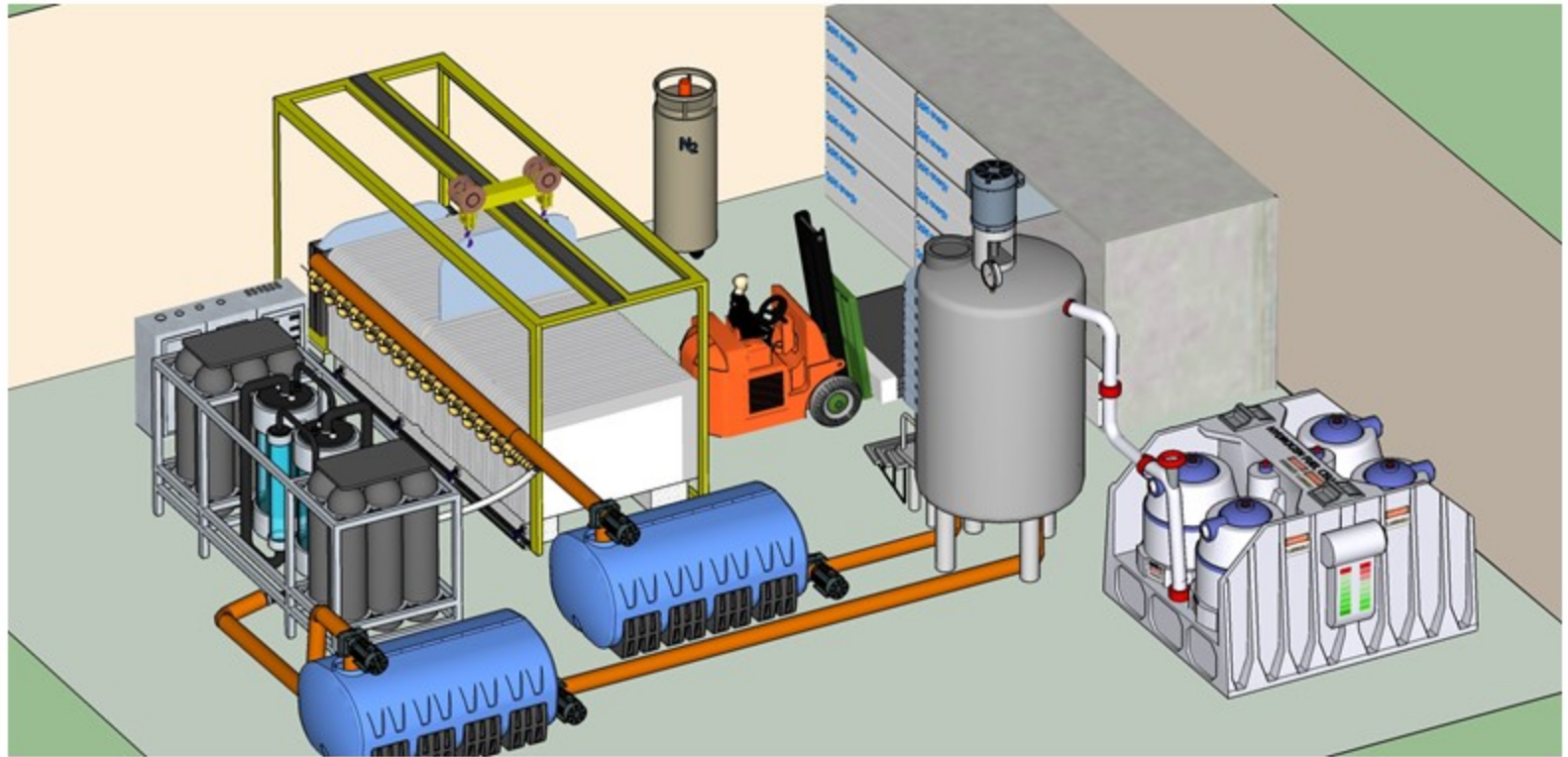


# Kaj lahko storimo z **1 MWh** električne energije

- spečemo **90.000 kosov toasta**
- prevozimo **6000 km z električnim avtomobilom**
- poganjamo **tri hladilnike čez celo leto**
- oskrbujemo povprečno **enostanovanjsko hišo dva meseca**









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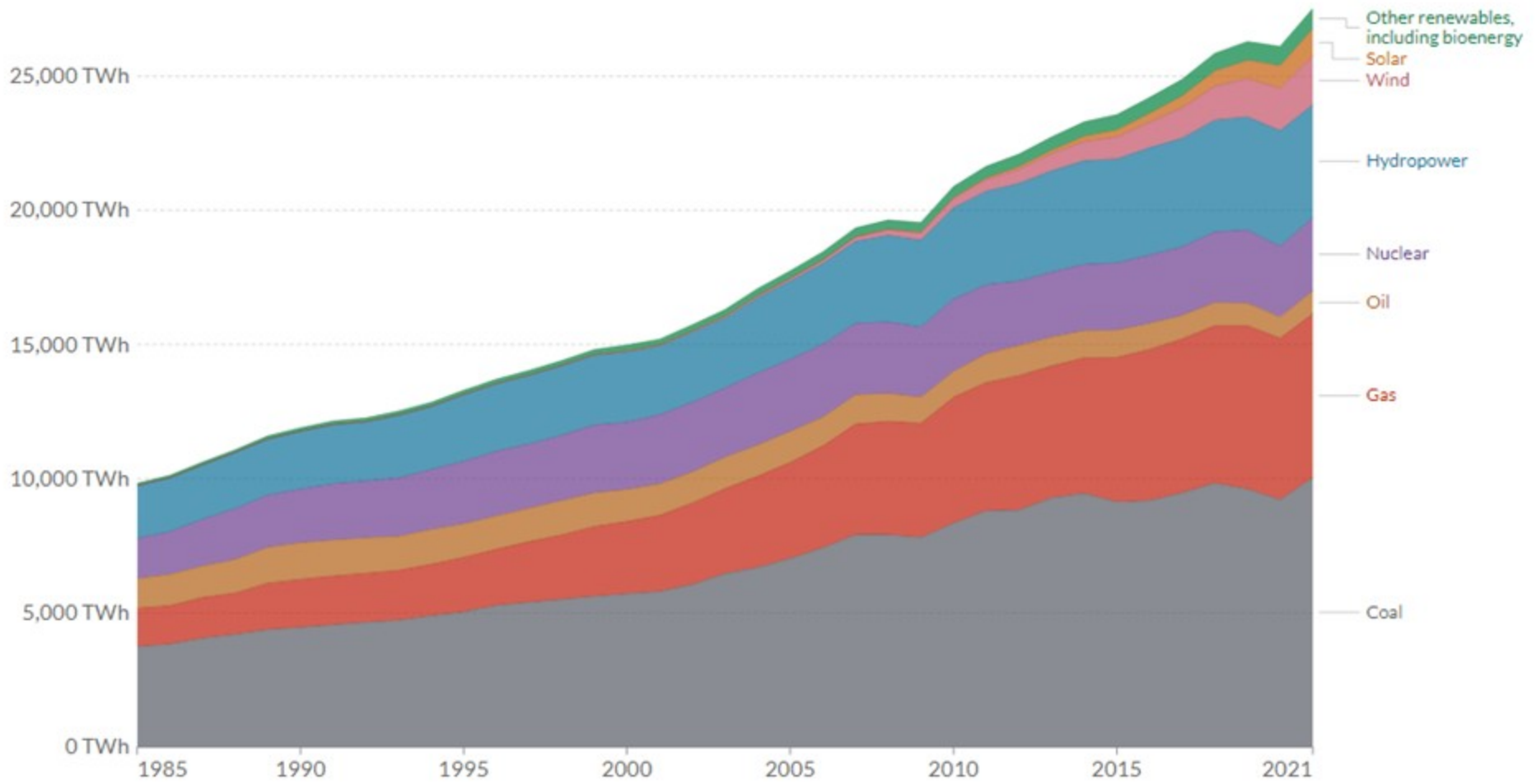


# Problem oskrbe z elektriko iz obnovljivih virov

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# Electricity production by source, World

↔ Change country   □ Relative

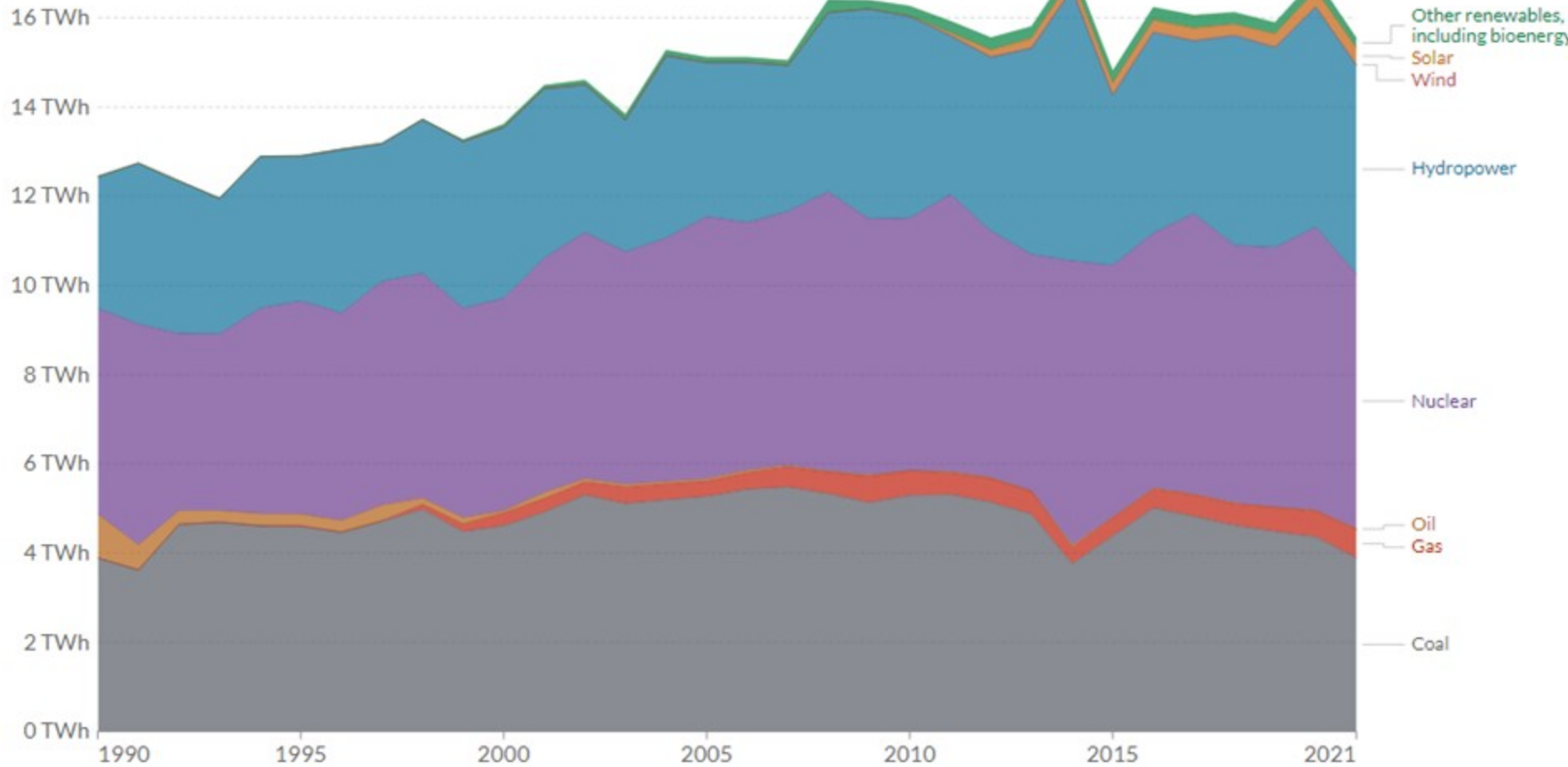


Source: Our World in Data based on BP Statistical Review of World Energy, Ember Global Electricity Review (2022) & Ember European Electricity Review (2022)  
Note: 'Other renewables' includes biomass and waste, geothermal, wave and tidal.

OurWorldInData.org/energy • CC BY

# Electricity production by source, Slovenia

Change country Relative



Source: Our World in Data based on BP Statistical Review of World Energy, Ember Global Electricity Review (2022) & Ember European Electricity Review (2022)  
Note: 'Other renewables' includes biomass and waste, geothermal, wave and tidal.

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# NEWS

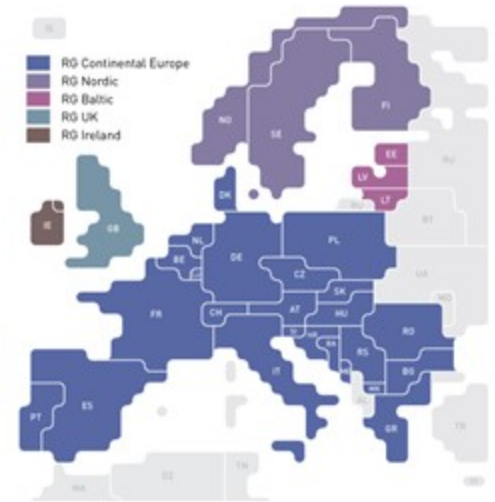
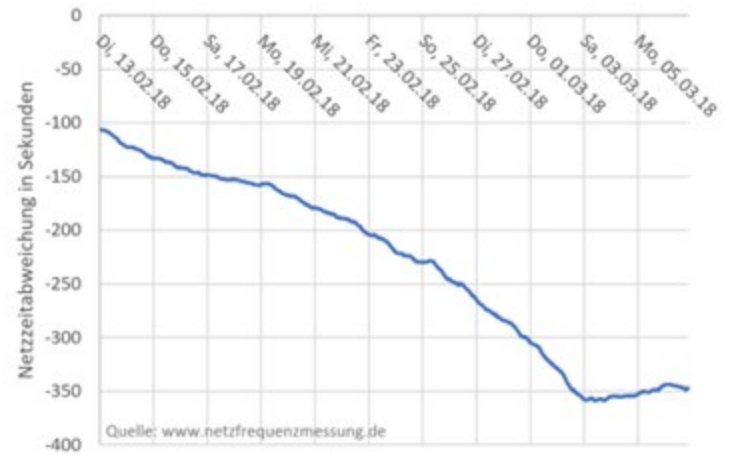
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## Kosovo-Serbia row makes Europe clocks go slow

During the crisis period, Kosovo did not generate enough electricity to meet its needs. Serbia is legally obliged to meet Kosovo's demand to keep the European grid stable. But because Kosovo and Serbia are in dispute Serbia did not step in.

Not enough power was going into the grid what caused a drop in the frequency and slow down of clocks



getting tired, power drops  
cadence drops <90 rpm

Power: 200 W  
Cadence: 90 rpm

Red Bull gives you wings  
More power, more  
cadence >90 rpm

