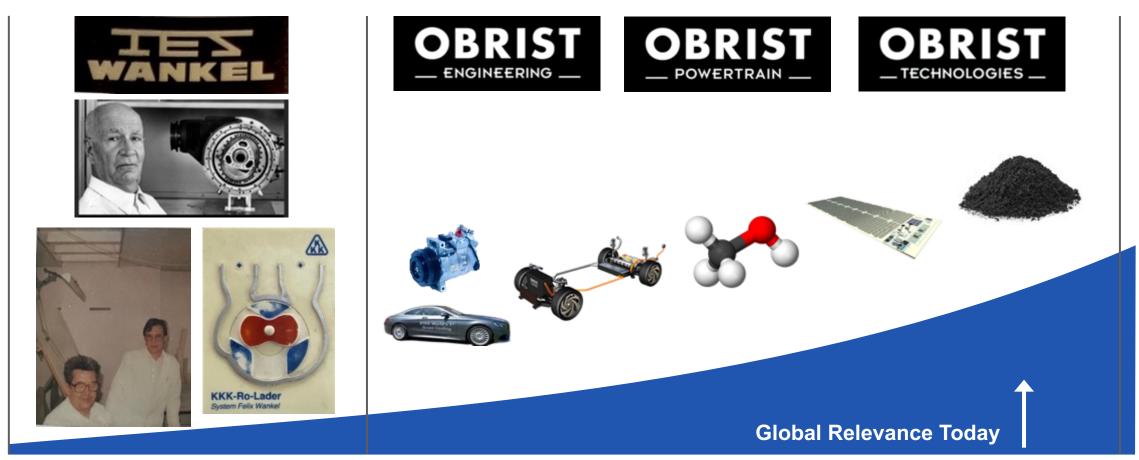
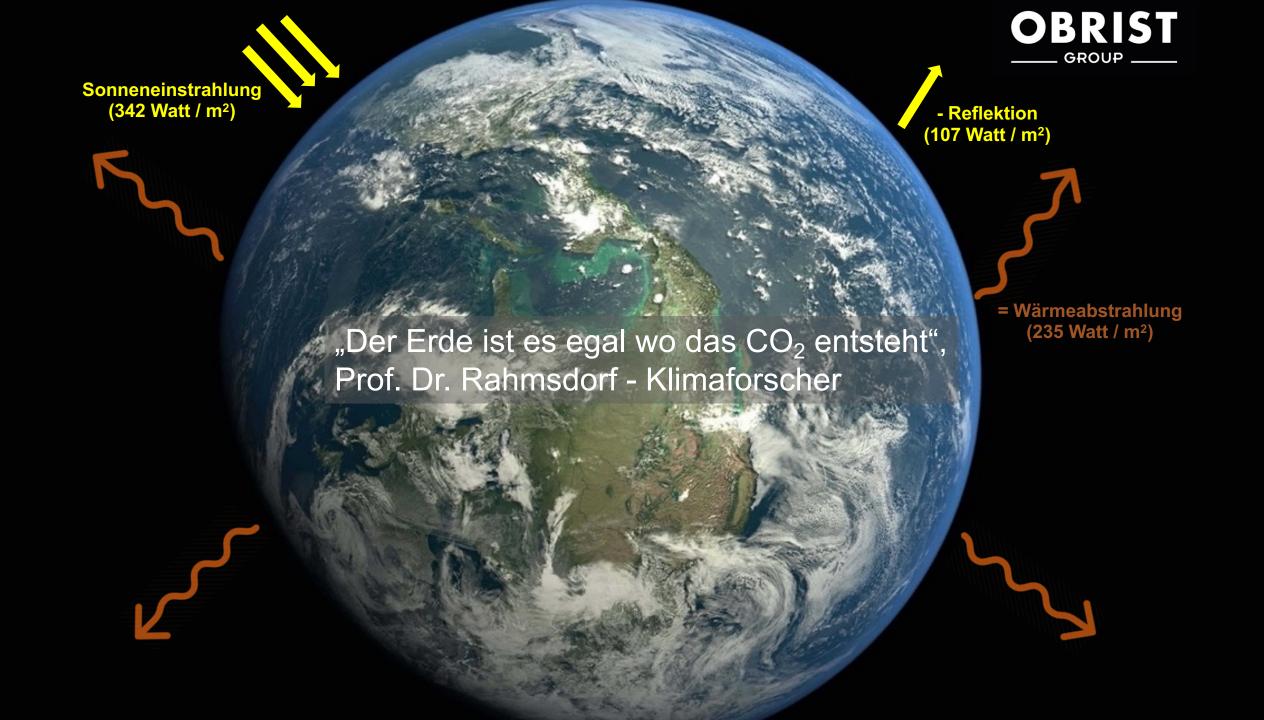




The Development of Obrist 40 Years of Green Technology for the World

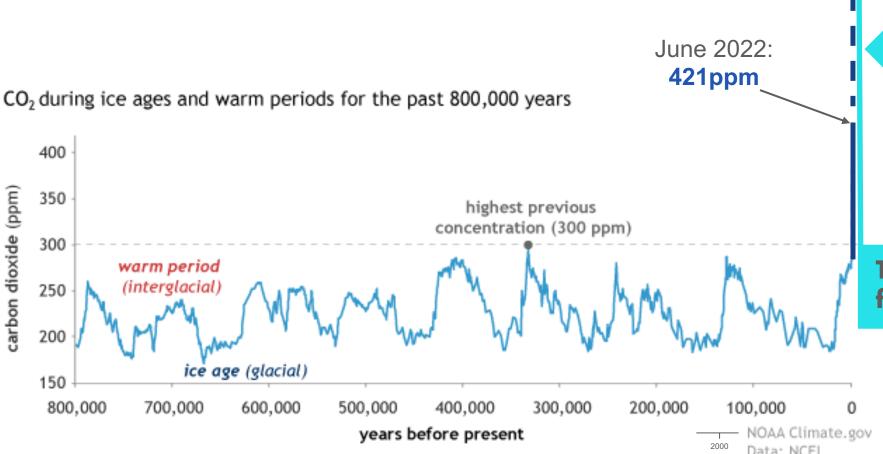


1983 1996 2023





Atmospheric CO₂ Concentration



cSink Age (needed)

Target CO₂-Concentration for Humankinds Future

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Forecast 2075: **>600ppm** (

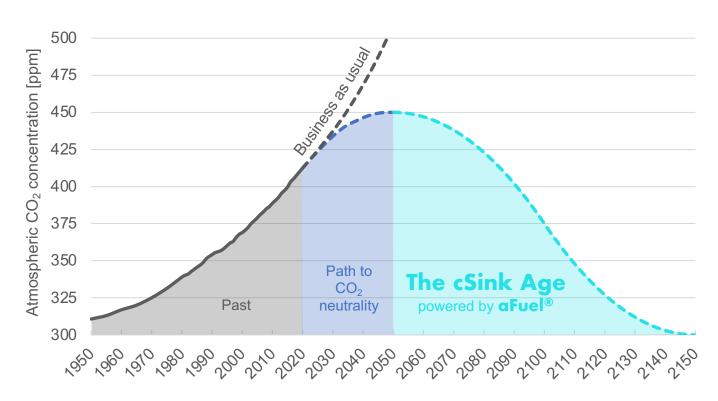


5

Atmospheric CO₂ Reduction The Path to Global CO₂ Negativity

- After reaching CO₂ neutrality, it is mandatory to reduce CO₂ levels in the atmosphere
 to reverse all damage that humanity has caused over the past centuries
- CO₂ negative technologies
 have to be carbon-based
- aFuel® enables not only
 CO₂ neutrality, but even
 CO₂ negative energy generation

We believe that we have the solution for **becoming CO₂ neutral** as well as **being CO₂ negative.**

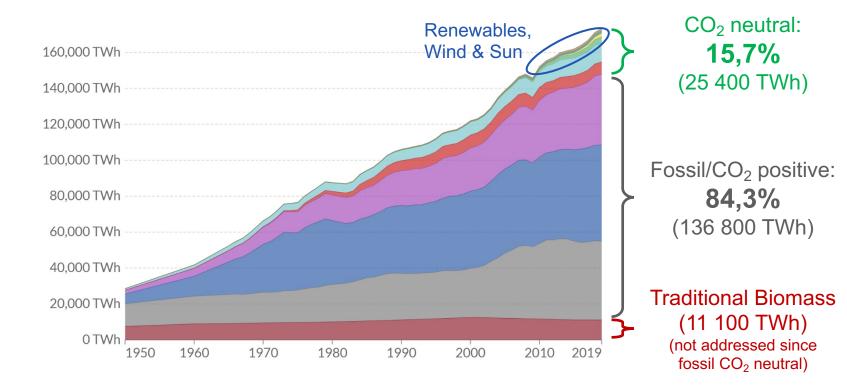




Fossil & Renewable Energy Status Quo

Global primary energy consumption by source

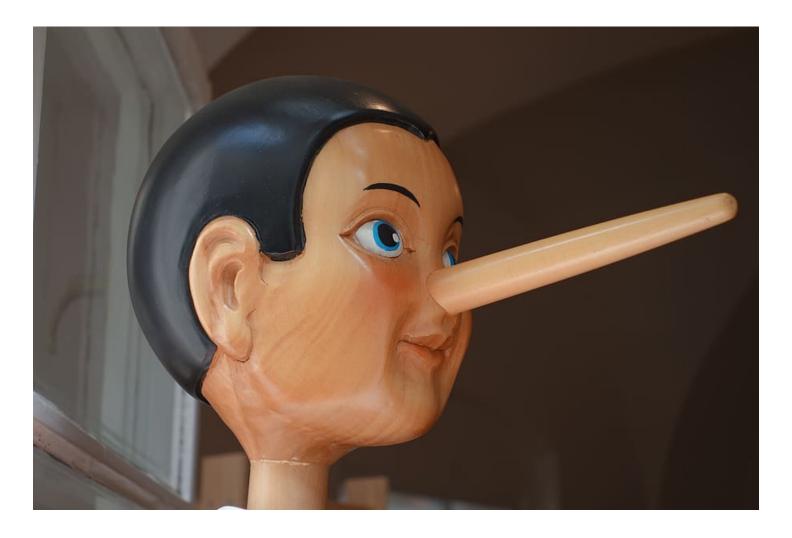
Primary energy is calculated based on the 'substitution method' which takes account of the inefficiencies in fossil production by converting non-fossil energy into the energy inputs required if they had the same conversion losses fossil fuels.





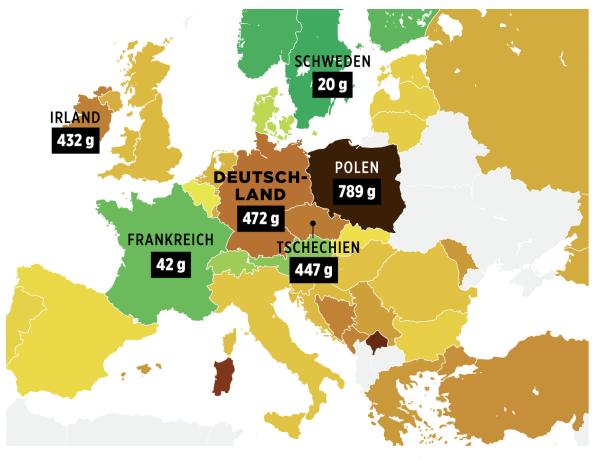


Wie ehrlich sind wir in Fragen der e-Mobilität / Emissionen?





So schmutzig kann Deutschlands Strom sein

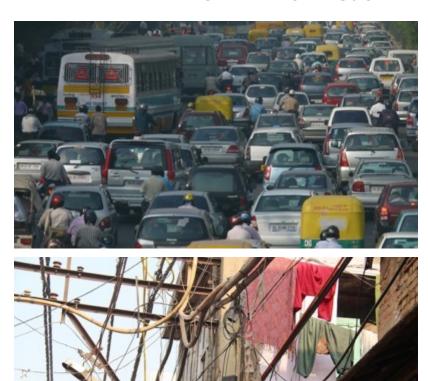


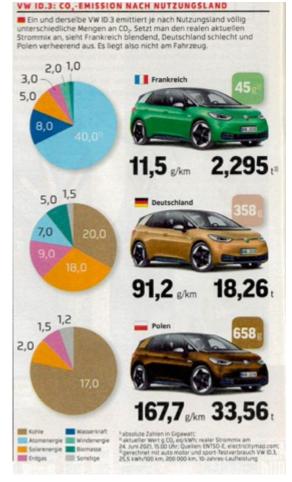
Stand: 18.10.2023



"Der Erde ist es egal wo das CO2 entsteht!"

Prof. Dr. Rahmsdorf - Klimaforscher







Was nun!?



USA nunmehr gegen Verbrennerverbot

Foto: © picture alliance/Michael Brochstein/ZUMA Wire/dpa

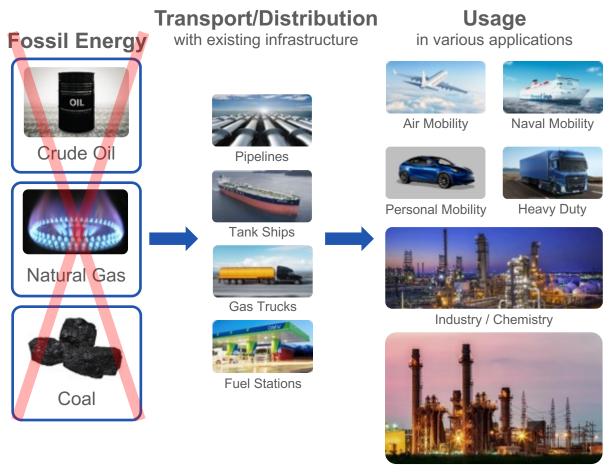


Worarlberg Blackout Notfallplanung zur eigenständigen Vorbereitung auf einen Blackout



Global Energy, but Fossil

- Current global energy system is largely based on three main fossil energy carriers crude oil, natural gas, and coal.
- Global infrastructure for our global energy system has been developed for decades and centuries
- Global fossil energy demand is not only based on mobility, but also all forms of industry and residential applications

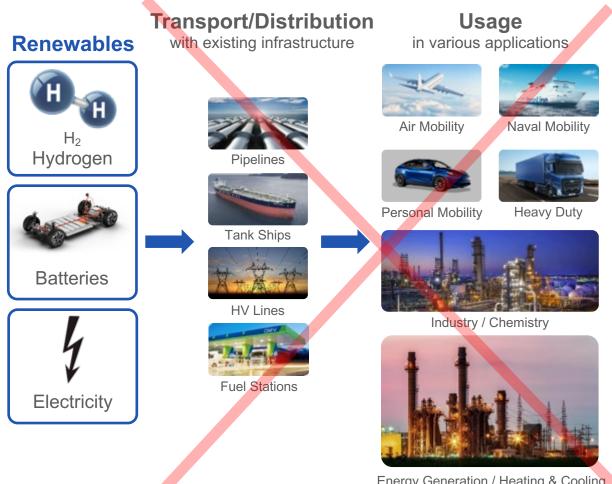


Energy Generation / Heating & Cooling



Political Energy & Climate Goals, but

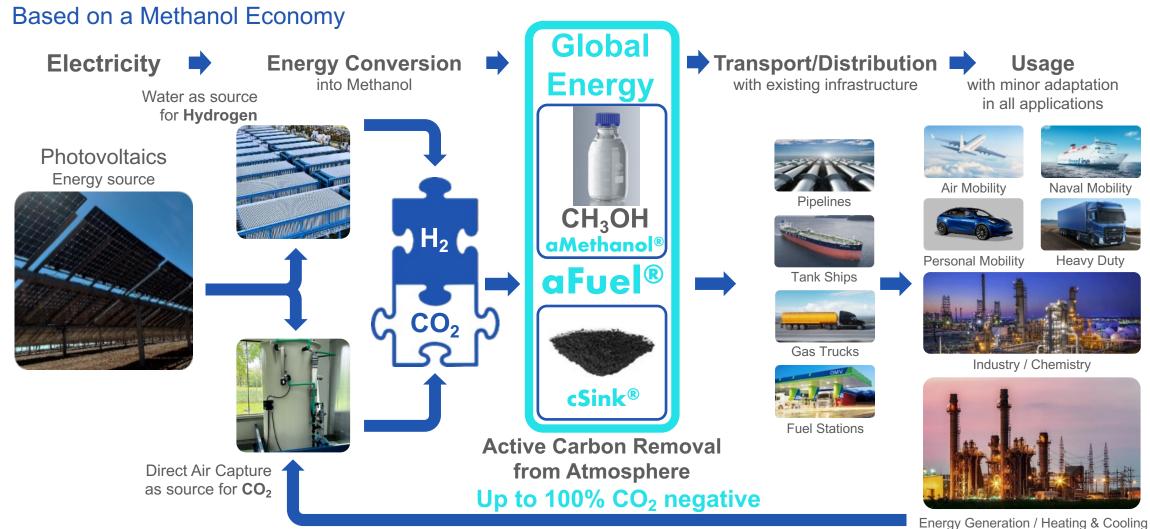
- Goals and pathways provided by political decision makers never reached
- Proposed solutions (BEV, hydrogen, and others) are **not** a sustainable global path into the future
- Apart from resource and applicability constraints, the infrastructure is not present and will take decades to adapt



Energy Generation / Heating & Cooling



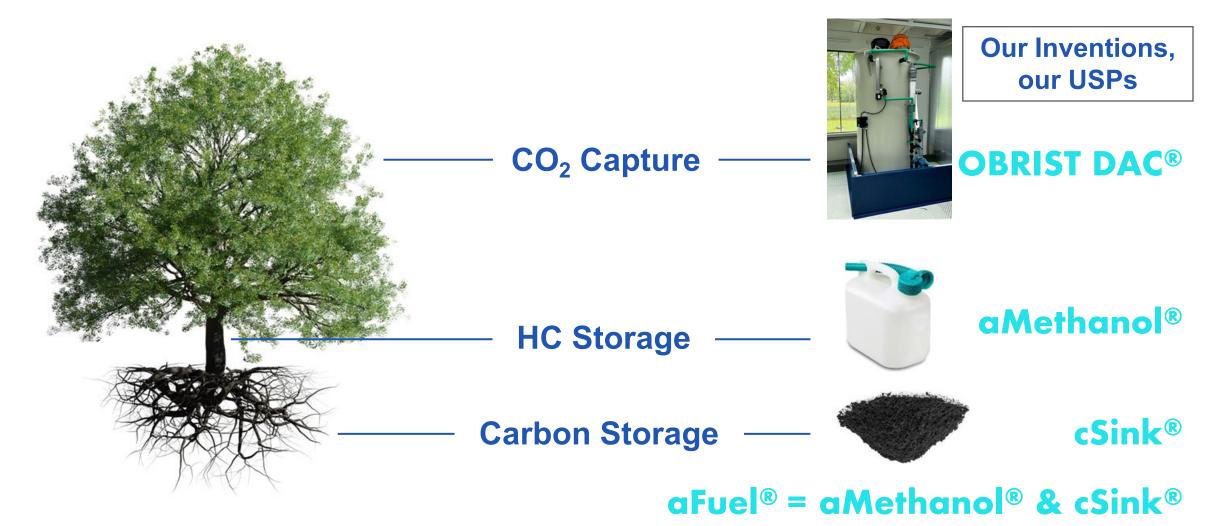
Renewable Global Energy, but Climate-Positive: aFue®



13

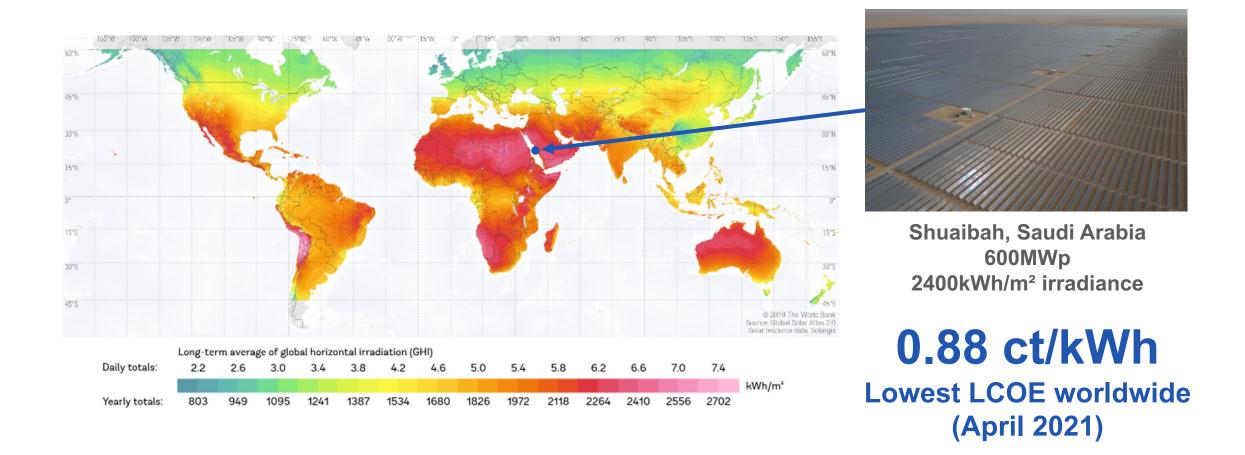


The Modern Forest Nature Inspired, but Much More Efficient and Faster Than "Mother Nature"





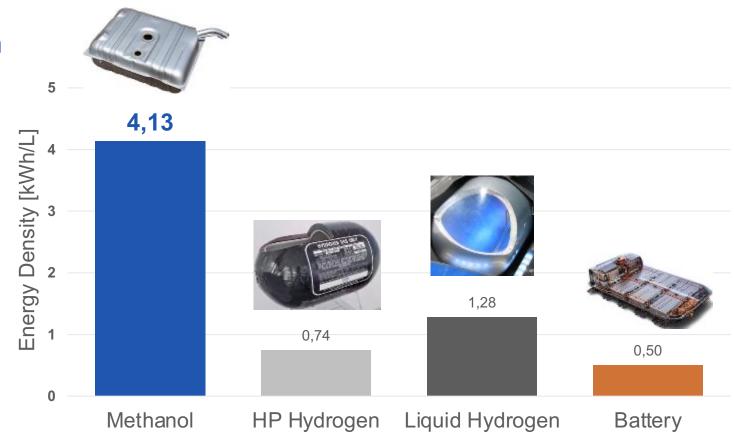
Photovoltaics in Sun Belt Cheapest Energy Worldwide





Comparison Energy Density Energy Stored Per Liter (with typical tank)

- Methanol is much more energy-dense than hydrogen or batteries
- Unlike hydrogen, methanol does not need pressurized or heavily cooled tanks to be stored or transported
- Methanol carries more hydrogen than hydrogen itself
 → best hydrogen carrier
- Safety of liquid energy carriers higher compared to gases



Djibouti Giga Plant



aFue World's first climate-positive Energy Carrier

PLANT SPECS

Plant Size: 120km²

Peak Power: 14.4 GW_p

(Modular Plant Design)

CAPEX: approx. 20b\$

Costs: approx. 1.5b \$/year

Sales: up to 10-20b \$/year

Net Income: up to 8.5 - 18.5b \$/year

Payback Period: approx. 1.1 - 2.4 years

License RR-Fee: approx. 100-200m \$/year

DUTPUTS

aMethanol®

3 963 900 tons/year

a Carbon®

228 700 tons/year

6.549 700 tons/year

Carbon Dioxide Credits

Volume

· 6 289 000 tons/yea



aFue R Vehicle Presentation IAA Mobility Munich 2021





UNIDO Global Call 2023 Award "Most Promising Solution"

- The OBRIST HyperHybrid was awarded on the 7th of November 2023 for the "Most Promising Solution" in Bejing
- The award ceremony for the United Nations Industrial Development Organization's Global Program Solicitation
- More than 2,000 participants from 108 countries contributed smart solutions





Experts, Network and Supporters

Backed and supported by













world-leading scientists

Prof. Schlögl

Dr. Jacob

Prof. Radermacher Prof. Brasseur Prof. Tillmetz

Prof. Olsowski

- Supported by United Nations and Governments
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Chancellor Karl Nehammer

