

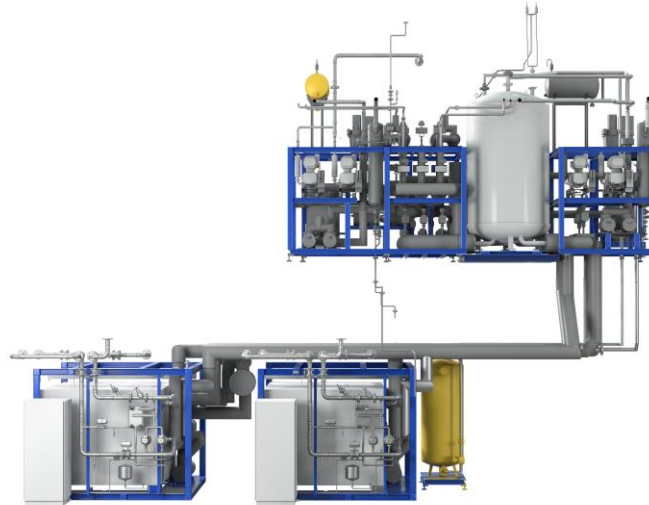
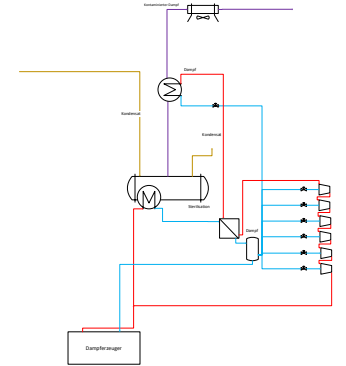
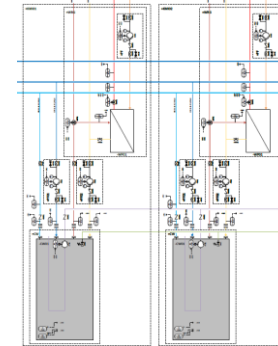
Green Cooling technologies for transport refrigeration

Jan Zeller | Refolution Industriekälte GmbH | 11.11.2023

Refolution Industriekälte GmbH

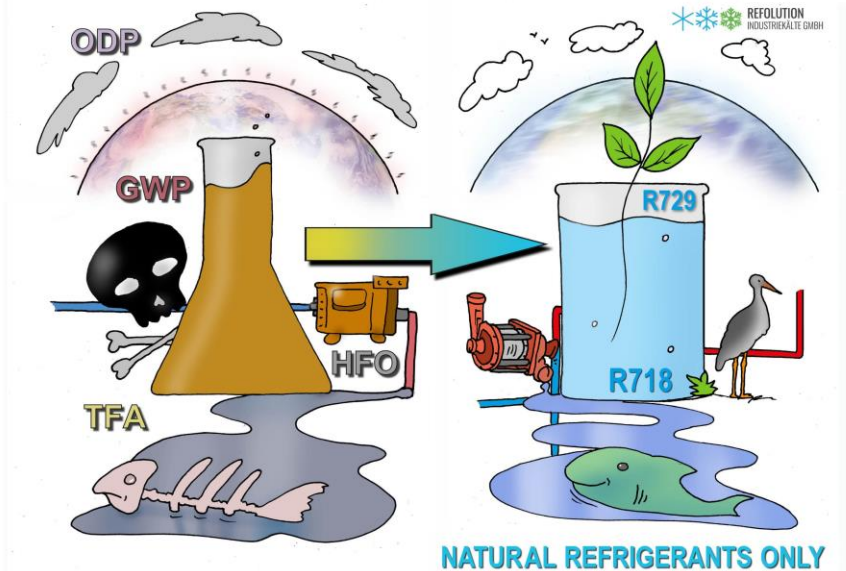


- Consulting
- Planning
- Special plant construction
- Product development

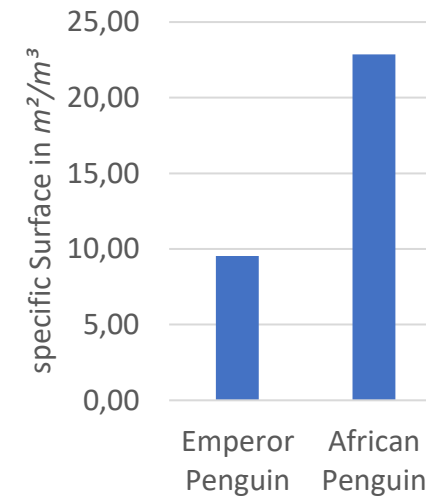
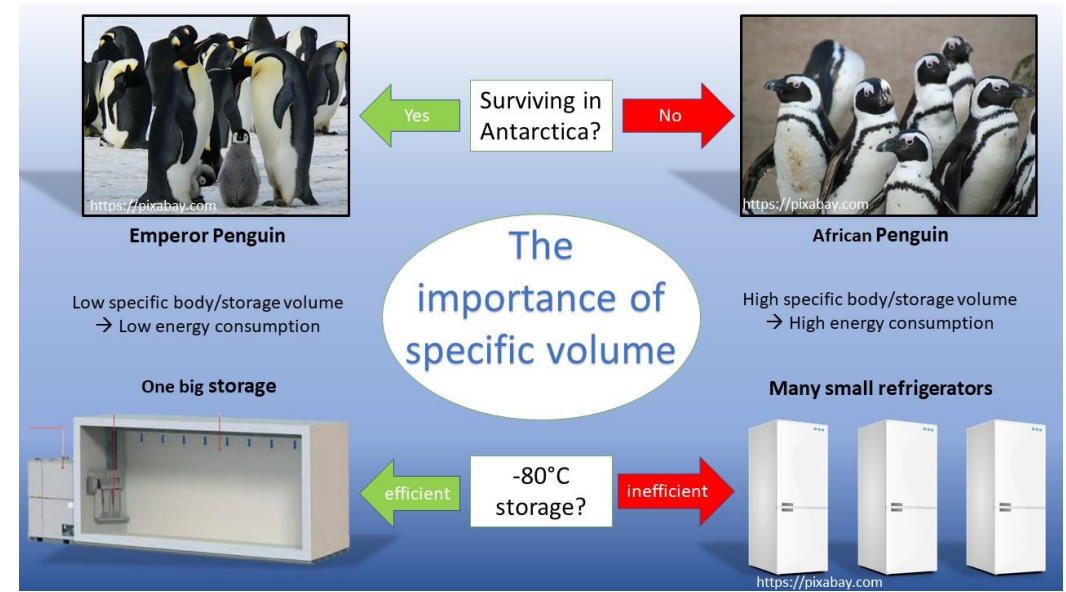
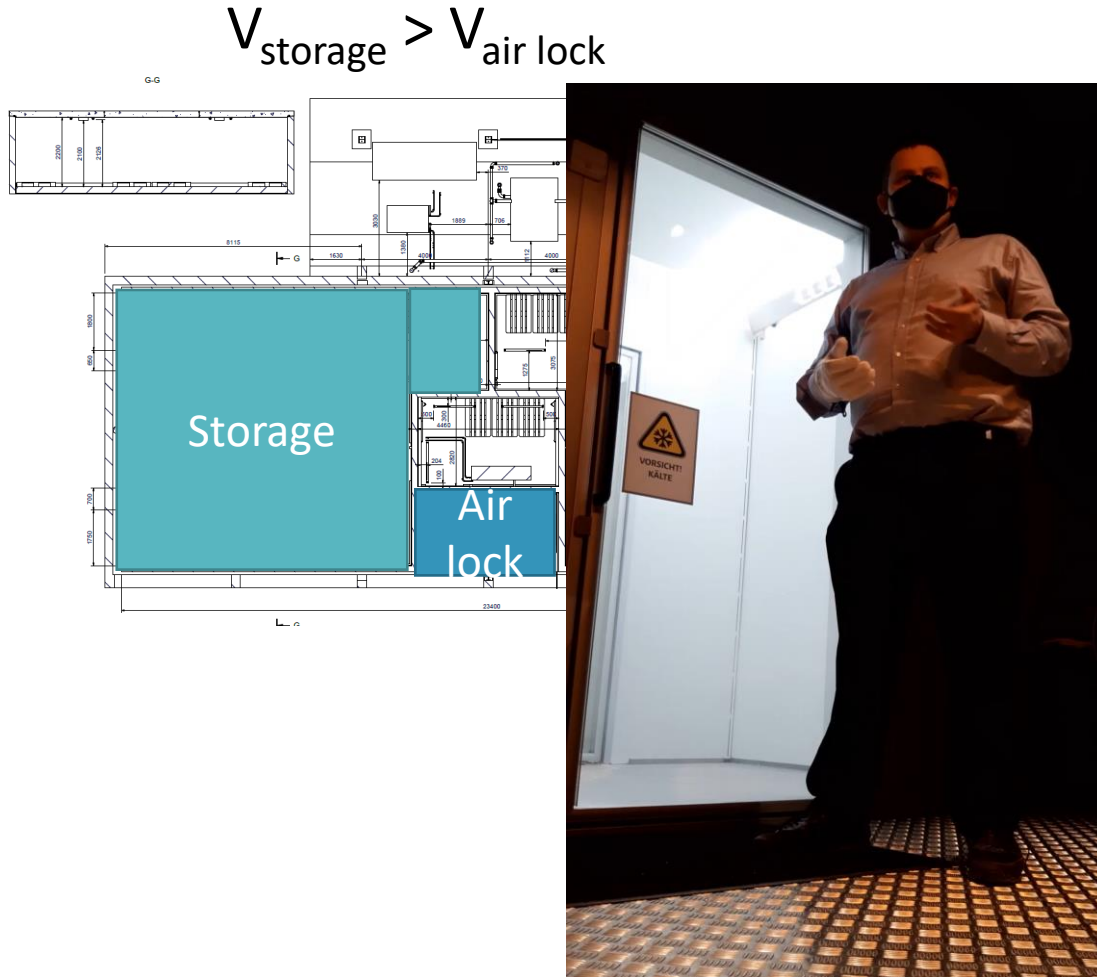


How to cool ? Impact of refrigeration

- Indirect CO2 emissions: In Germany about 14 to 19% of total electrical power is used in a refrigeration process
 - Need for efficient solutions
- Direct emissions of refrigerants:
 - ODP – Ozone Depletion Potential
 - GWP – Global Warming Potential
 - HFO/TFA – persistent pollution of the environment with PFAS
 - Use of natural refrigerants



Refolution Storage knowledge



Refolution Cold Supply Chain

OUR SERVICE FOR YOUR COLD SUPPLY CHAIN
-40°C DOWN TO -110°C

CRYOCARGO
TRANSPORT AND EMERGENCY STORAGE



ULT25 CONTAINER
DISTRIBUTION AND HIGH FREQUENCY STORAGE



IN COOPERATION WITH










-20 TO -80°C • VACCINE
-30 TO -55°C • BLOOD PLASMA
-50°C TO -80°C • ENZYMES
-80°C • TISSUE SAMPLES

CRYOSTORAGE
RESERVE SAMPLE STORAGE
PRODUCTION & RESERVE SAMPLE STORAGE



VIEW ALL OUR PRODUCTS

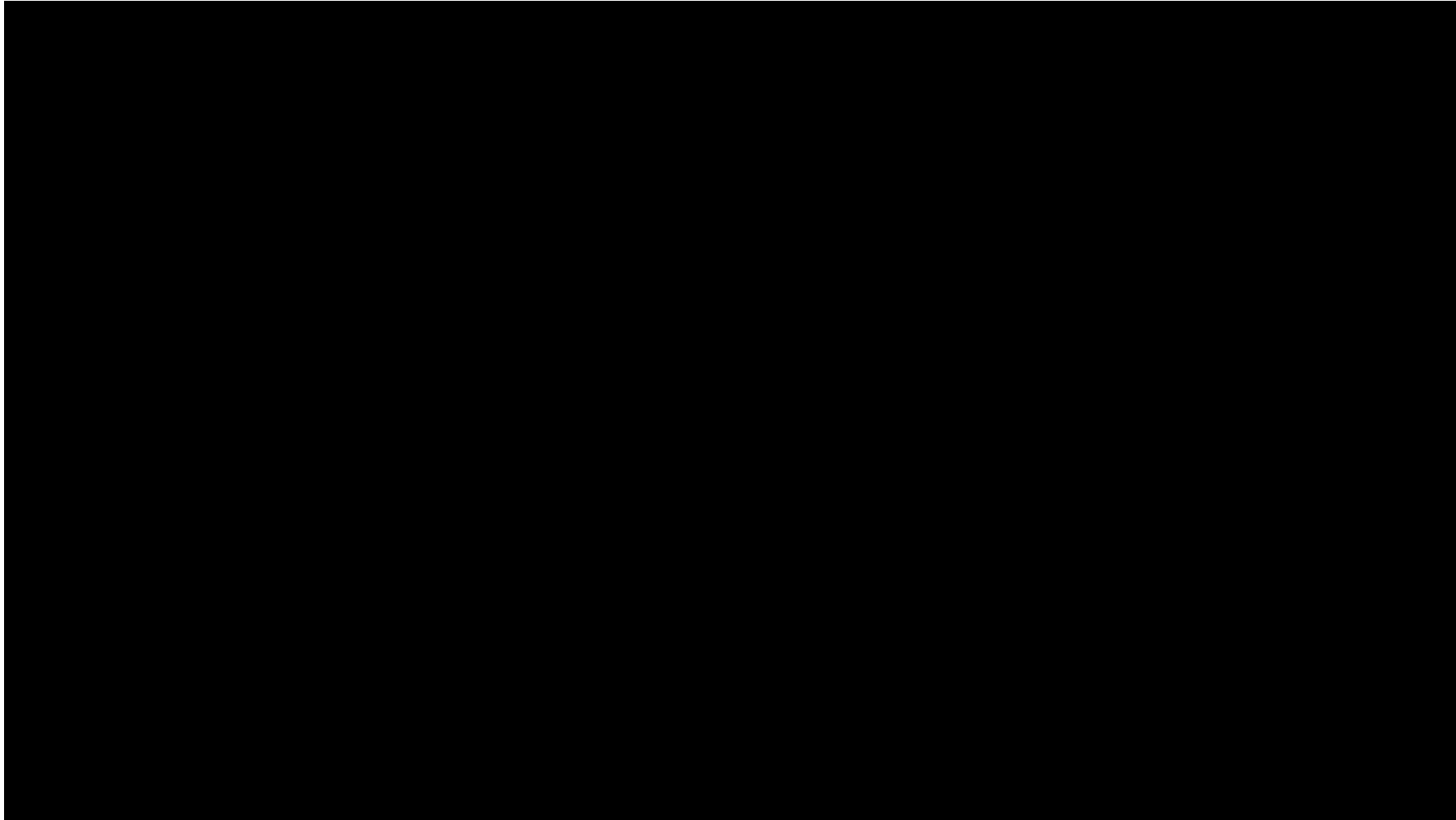


REFOLUTION
DAS INGENIEURBÜRO FÜR NACHHALTIGE KÄLTECHNIK

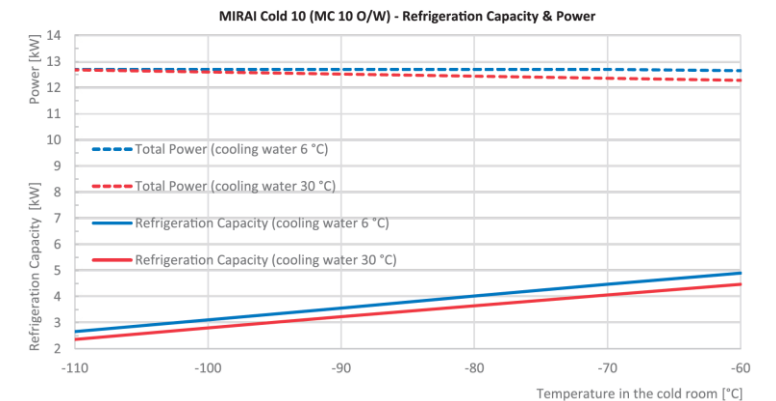
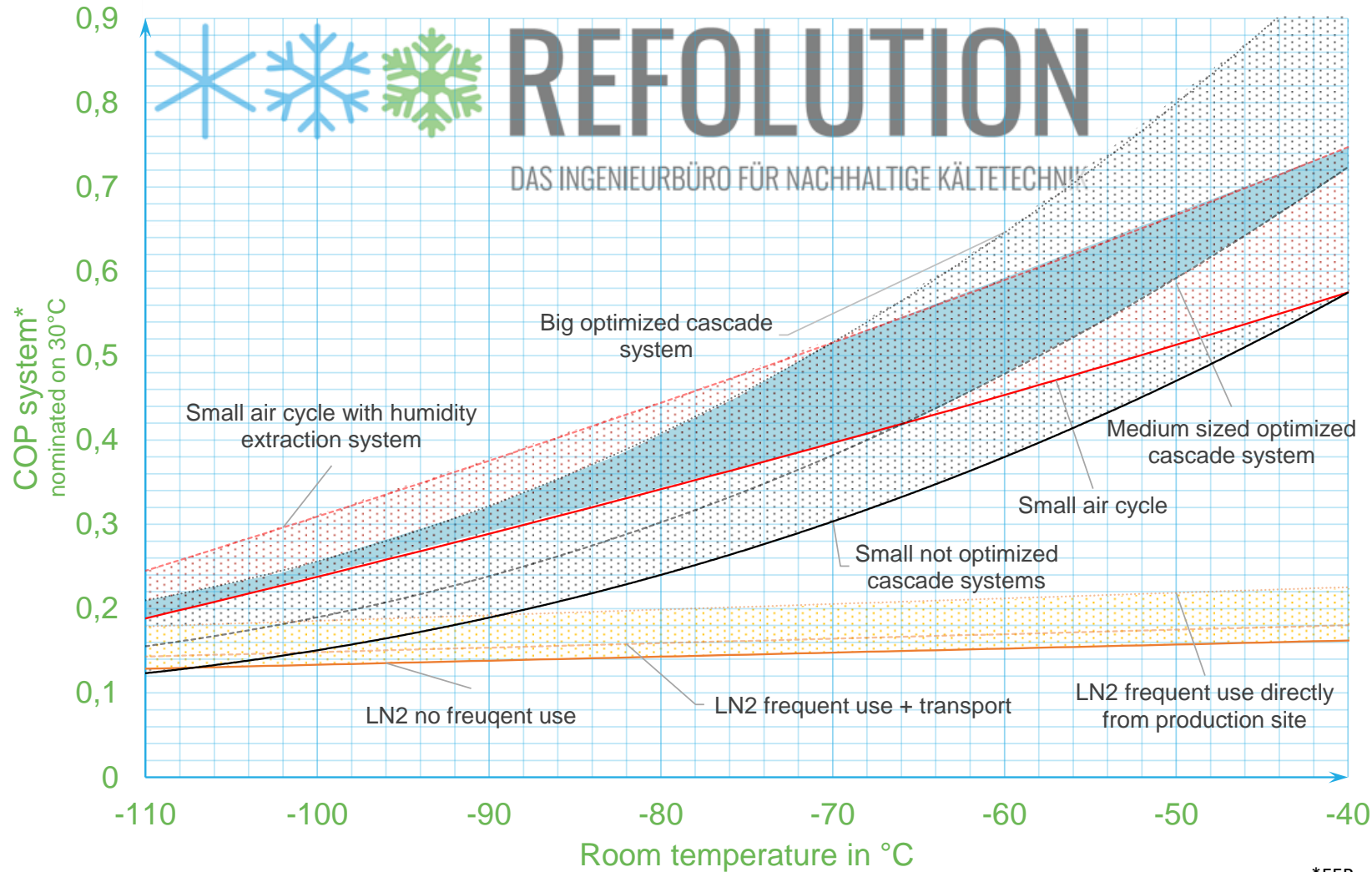
PLANNING
CONSULTING
PRODUCT DEVELOPMENT
SPECIAL PLANT CONSTRUCTION



Flexible Transporter „CryoCargo110“



ULT Energy Comparison - full load



It's time for your questions



- **Jan Zeller**
- Sales Engineer Refolution Industriekälte GmbH

- Tel: +4917642763512
- Jan.Zeller@refolution.de
- www.Refolution.de

