



LOGISTICS OF THE ENERGY REVOLUTION

THE FUTURE OF
THE ENERGY
SUPPLY CHAIN



**POWERING
OUR WORLD,
TOGETHER**

DELIVERING EXCELLENCE
TO THE ENERGY SECTOR

DHL Energy Regional Conference Europe 2022

Sustainability at Grundfos & Logistics

Dan Jellesmark
Lead Freight Specialist, Global Transportation
Grundfos

Sustainability at Grundfos & Logistics



"The world is full of problems that can be solved in a better way."

[Grundfos Sustainability Report 2021](#) is available online

Grundfos by the numbers

20,154

full-time employees

58

countries

3.2

billion DKK in EBIT

34

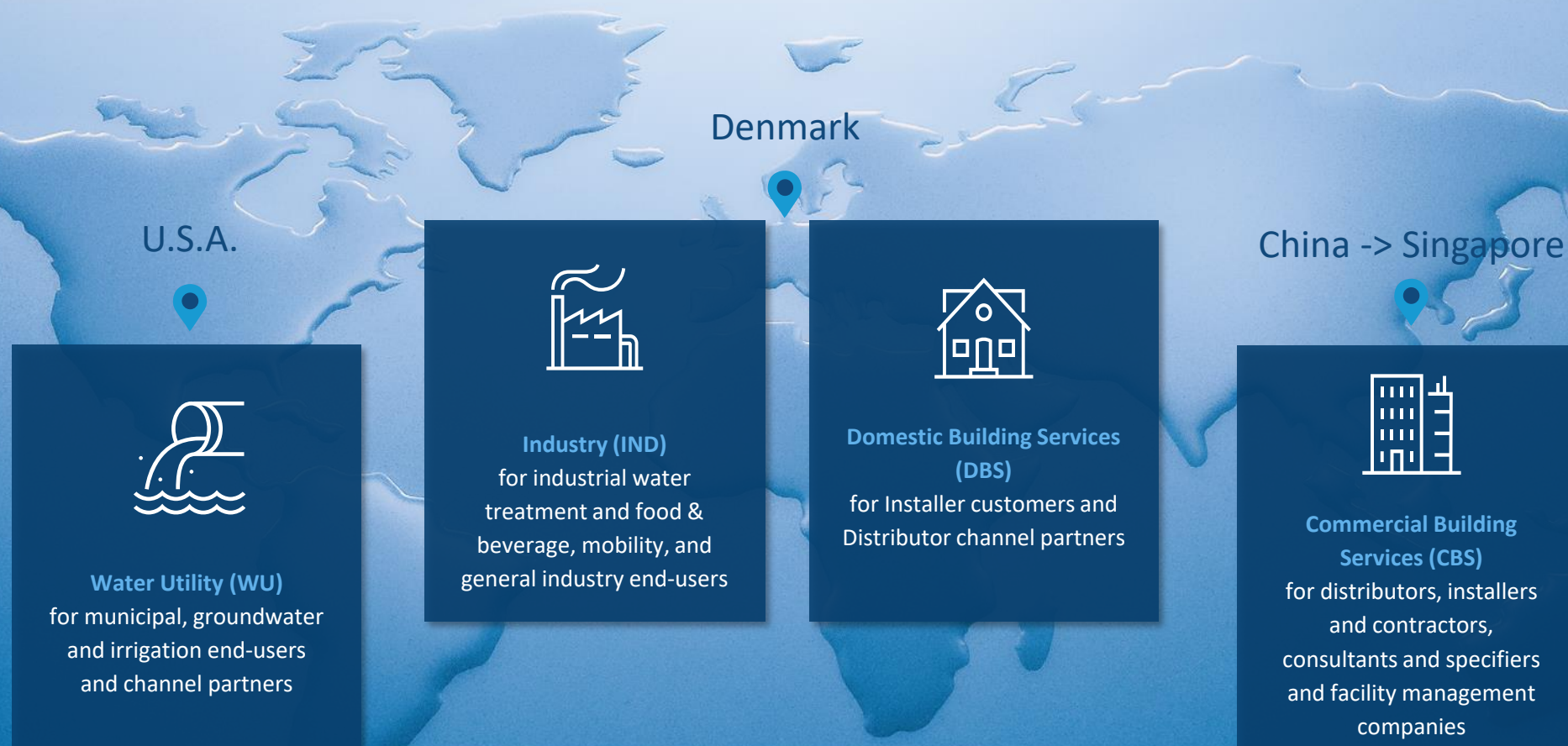
Grundfos plants and
assembly sites

4.8%

of turnover invested in new
products and solutions



4 Divisions for specific market needs



A broad range of products, services and solutions



Services



Pumps



Agitators



Disinfection systems



Pump systems



Digital dosing pumps



Dosing systems



Lifting station



Pressure managers



Water dispenser system



Water treatment systems



Pump controllers



Measurements & controls



Mechanical dosing pumps



Pump motors



Solutions



Sensors



Accessories

Increasing our annual water and energy savings for customers, while providing basic water access to people in need

SAVING ENERGY



14% increase compared to 2020.

11.4 million MWh saved through installation of high-efficiency circulator pumps.

SAVING WATER

20% increase compared to 2020.



The pump solutions that we sold in 2021 have enabled our end-users to reuse over **1.8 billion** m³ water per year.

CIRCULAR BUSINESS



160% increase compared to 2020.

37,992 kg pumps returned for recycle programme in 2021.

WATER ACCESS

60% increase compared to 2020.



We provided basic water access to **1.6 million** people in 2021.

FOOTPRINT REDUCTION



CO₂ logistic emissions

10%

down compared to 2019 as a result of innovative solutions.

EMPOWERING PEOPLE



22%

We focus on diversity, equity and inclusion. We now have **22%** women in leadership roles, but our journey continues.

COMMUNITY ENGAGEMENT

DKK 875,881

donated by our employees to our Water2Life programmes across the world (bringing the total to **DKK 5.6** million since 2010).



SUPPLIERS

53%



increase of social and environmental supplier audits, compared to 2020.

Grundfos internal model – Grundfos Sustainability Index

Our sustainability index



Social responsibility

People injuries
[lost time injuries pr. mio. work hour]

Return to work rate
Employees returned to work after long term sickness absence [% of all cases]

Employees with reduced work capacity
[% of total workforce]



Climate management

Own CO2 emissions + business travel and transportation down stream [ton CO2]

Resource recovery from takeback [kg]

Waste to landfill [kg]

Rate of Energy efficient products sold [%]

Energy optimizing services [MWh identified]

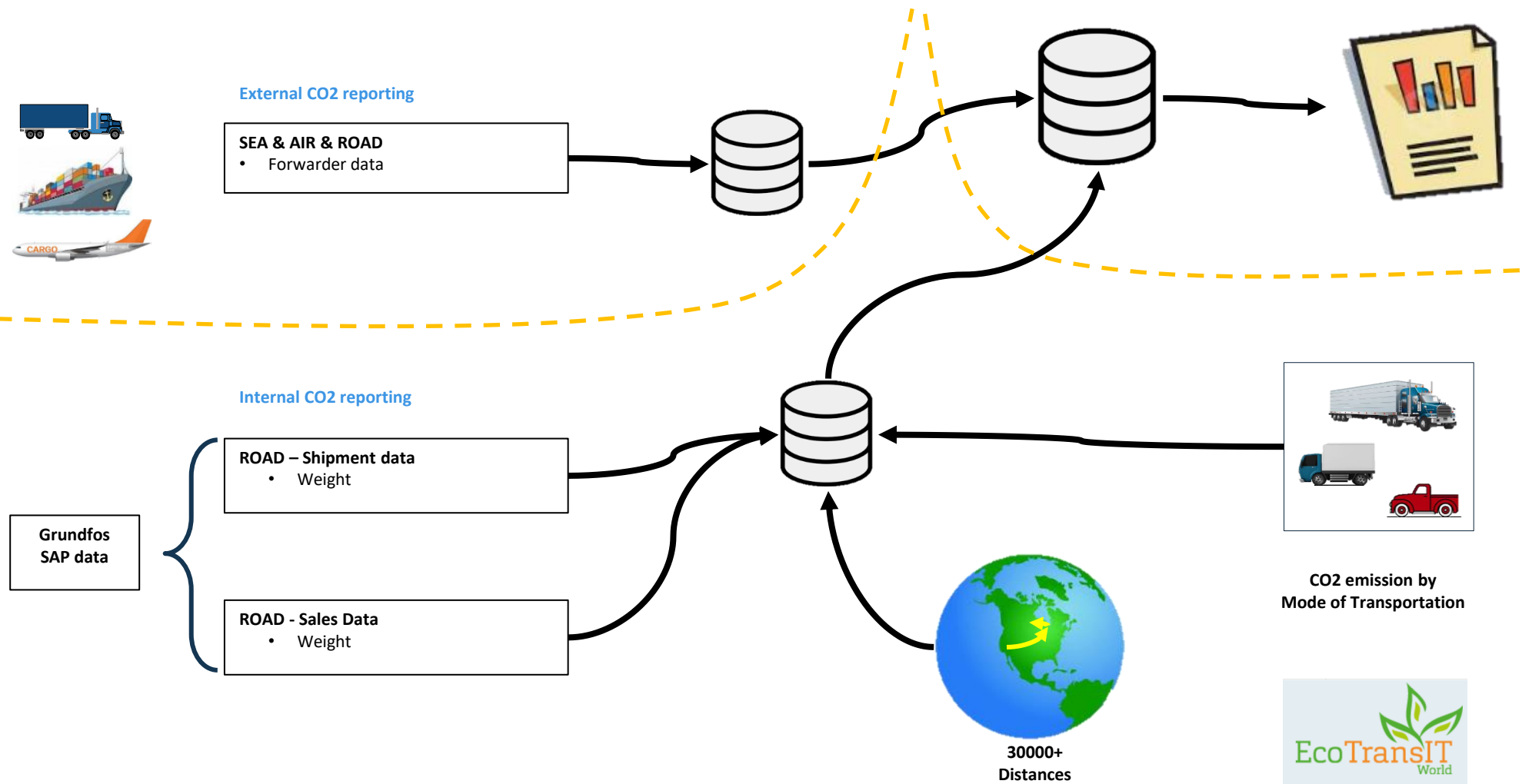


Water management

Water consumption in own activities [M3]

Access to safely managed drinking water for people in need [number of people provided access]

Grundfos Transportation CO₂ measuring model



Bio LNG solution: Shuttle road trucks Denmark - France

Concept and way forward

- Availability: BioLNG will be available at the Shell LNG stations in Germany.
- Source: 100% Bio LNG from Sweden from agricultural waste
- Concept: Mass balancing has to be used on the chosen trucks driving for Grundfos.
 - This concept allows for refueling at any Shell LNG site in Germany.
 - Shell will provide a letter of evidence at the end of the journey.
- The imported volume from Sweden will be registered in the Nabisy tool. <https://nabisy.ble.de/app/start>
- This is just to start and we will for sure continue the LBG solution also after that period of time.
- Different lanes of Grundfos can be reviewed and also put on an Bio LNG Solution.



Key Facts

- **75t Bio-LNG**
- **1 year Bio LNG 3 trucks**
- **84% CO₂ reduction**
- **Colaboration: Grundfos / DHL / Volvo / Shell**
- **Testimonial & Social Media**

Adopting a more data and impact-driven approach to addressing the world's urgent water and climate challenges

In 2021, we expanded our understanding of what it takes to achieve our ambition and be recognised as a **sustainability leader**.

While working on our ambitions and sustainability framework, we identified the need to **revise and strengthen our focus on high-impact targets**.

We are currently in the process of finalising scope 1, 2, and 3 targets that are in alignment with the Paris Agreement and the Science-Based Targets Initiative (SBTi). **We will submit our targets in 2022 and expect their approval in the same year.**



Our Purpose

*We pioneer
solutions to the
world's water
and climate
challenges and
improve quality
of life for people.*



THANK YOU

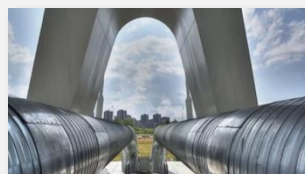
BACK UP SLIDES

Solutions for applications across all customer segments



Commercial buildings

Air conditioning
Heating
Hot water recirculation
Water pressure boosting
Water disinfection
Wastewater



District energy

District cooling
District heating



Domestic buildings

Hot water recirculation
Groundwater intake
Heating
Water pressure boosting
Rainwater harvesting
Wastewater



Industrial processes

Biofuel
Bottle washing
CIP/SIP
Cooling
Desalination
Filing
Leach mining



Industrial utilities

Temperature control
Boiler systems
Fire protection
Heating
Water supply
Water treatment
Wastewater



HVAC OEM

Boiler
Cooling
Domestic Hot Water (DHW)
Heat pump
Heating Interface Units (HIU)
Solar thermal
Space Heating



Municipal water supply

Drinking water treatment
Irrigation
Ground water intake
Solar water solutions
Surface water intake
Community water supply
Water distribution



Municipal wastewater

Flood control
Wastewater treatment
Wastewater transport



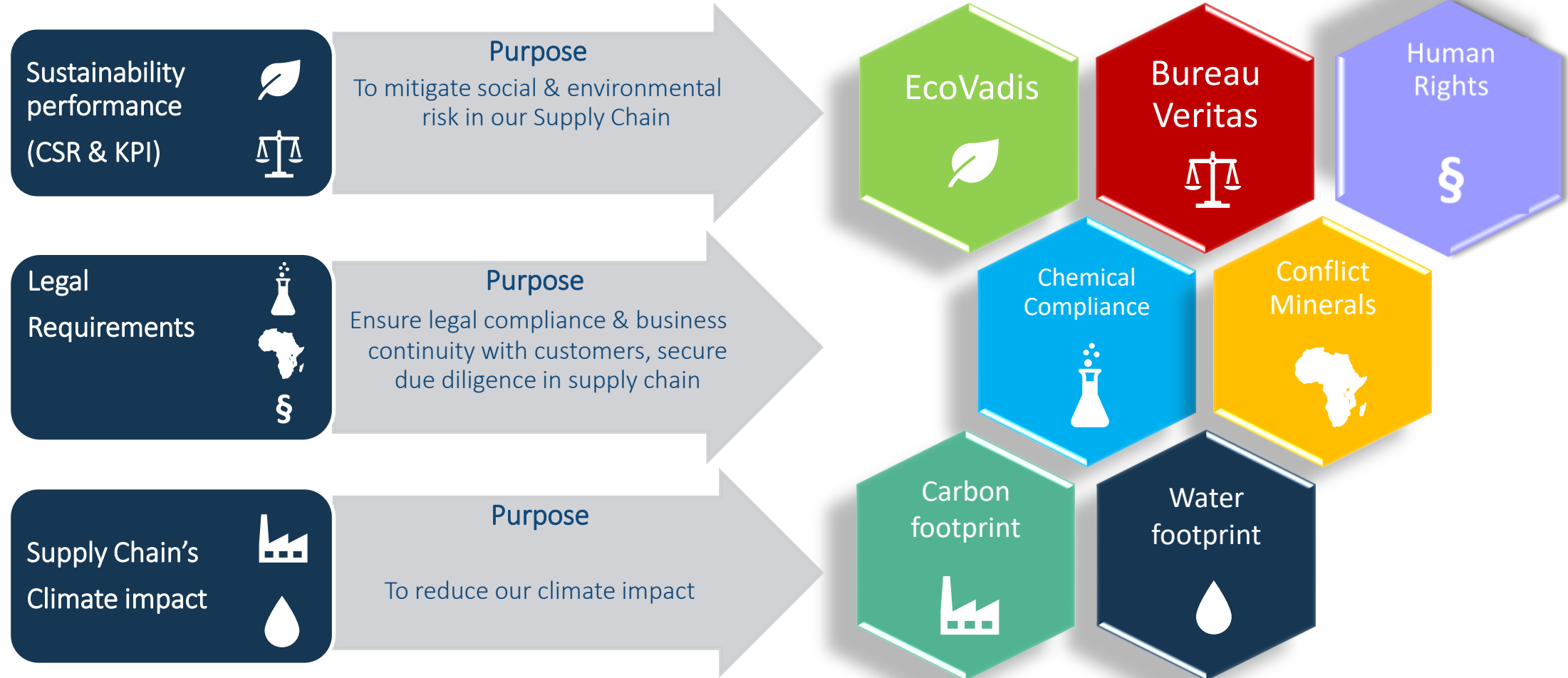
Agriculture and irrigation

Fertigation & Chemigation
Drip micro spray
Frost protection
Irrigation groundwater supply
Livestock watering
Pivot pressure boosting
Solar boosting and water supply solutions

Sustainability tools and processes

Green Supplier Management initiatives

„The road to responsible sourcing“





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