

Sustainability – more than water

CSR – Mælk og miljø
25 January 2018



**“THE WORLD IS FULL OF
PROBLEMS THAT CAN BE
SOLVED IN A BETTER WAY”**

Poul Due Jensen
Founder of Grundfos

Poul Due Jensen showing visitors around
the Grundfos factory.



INDEPENDENT



SUSTAINABLE



RELENTLESSLY
AMBITIOUS



PARTNERSHIP



FOCUSED
ON PEOPLE



OPEN AND
TRUSTWORTHY

Our values & purpose

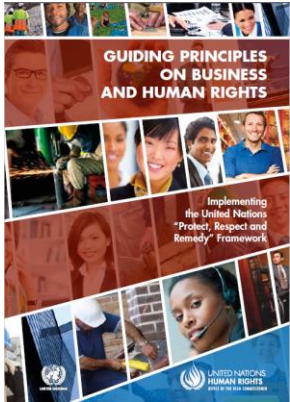
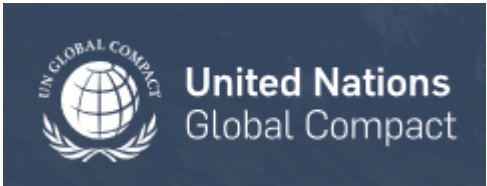
Grundfos is a global leader in advanced pump solutions and a trendsetter in water technology.

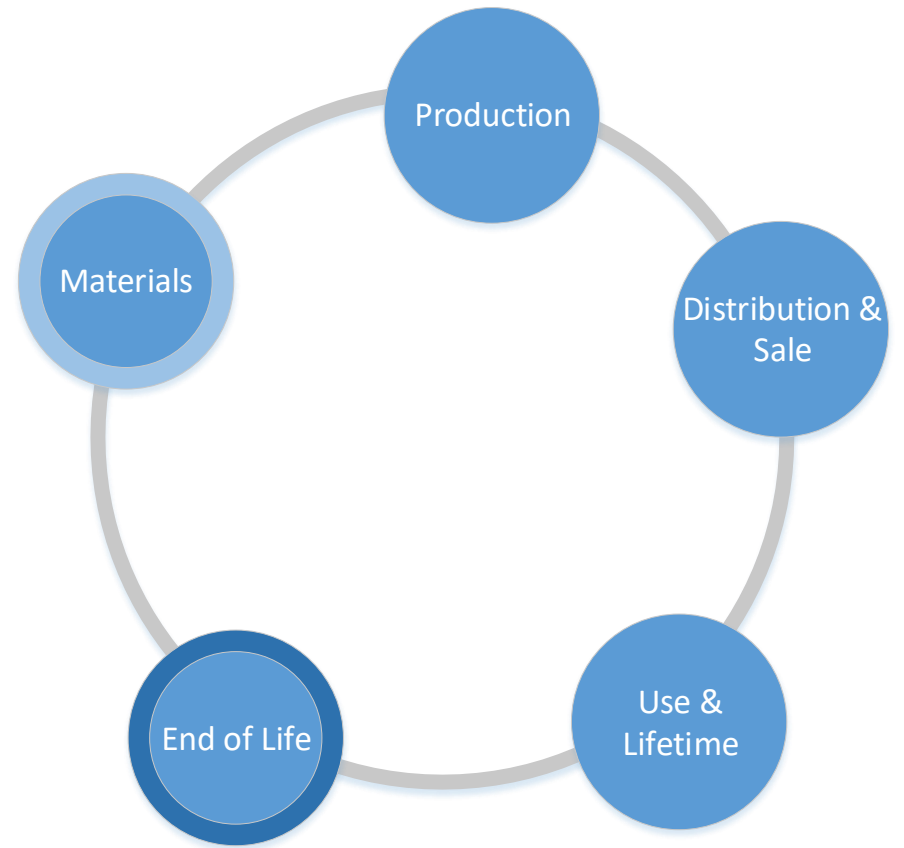
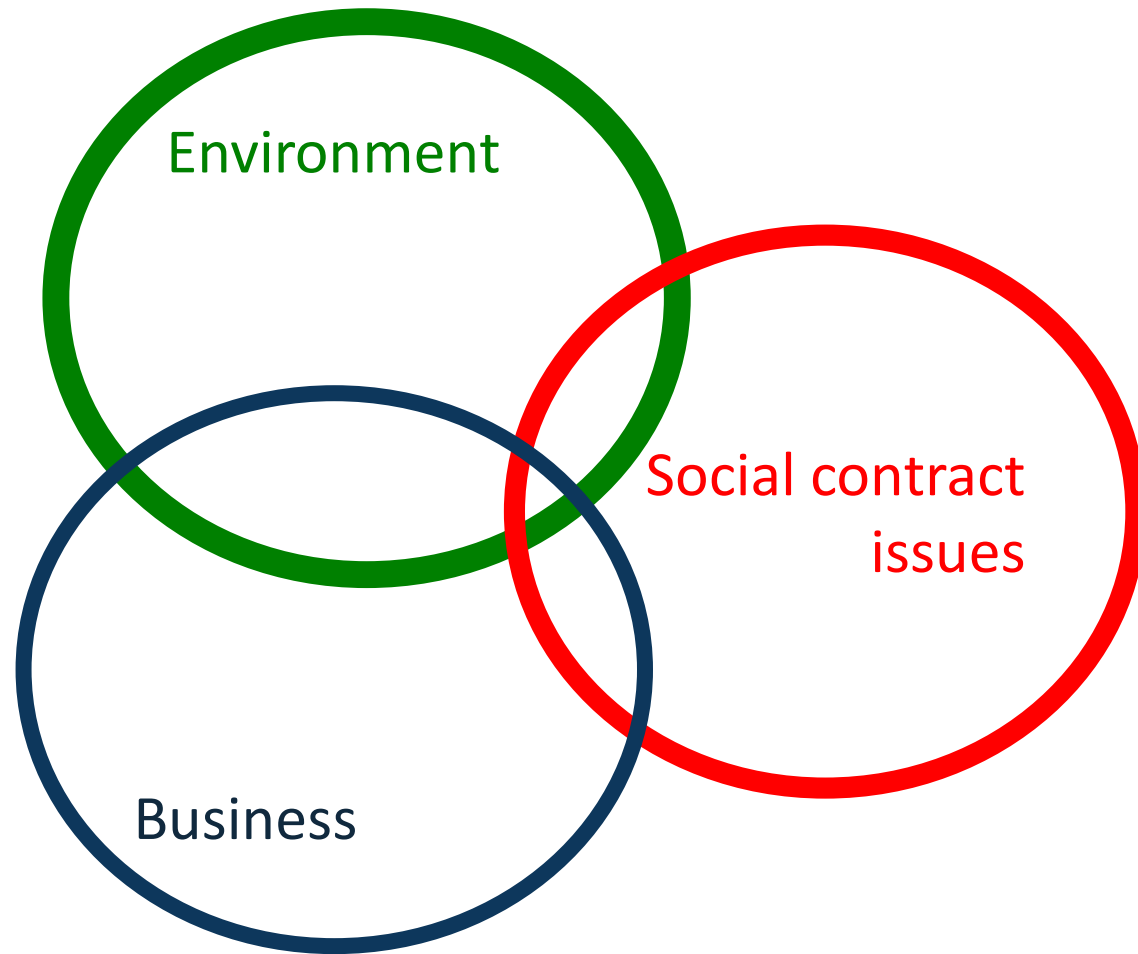
We contribute to global **sustainability** by pioneering technologies that improve quality of life for people and care for the planet



What is sustainability in Grundfos today?







IMPACT

Minimize the negative, Maximize the positive
→ “Net-positive” thinking

opportunity to advance human
development
whilst doing business



Water?



Mega-trends: Water challenges materialise

SCARCITY

- Business-as-usual leads to 40% gap between water supply and demand in 2030
- 2.3bn people in areas with severe water stress by 2050
- Largest challenges in Africa and South & Central Asia

INDUSTRY

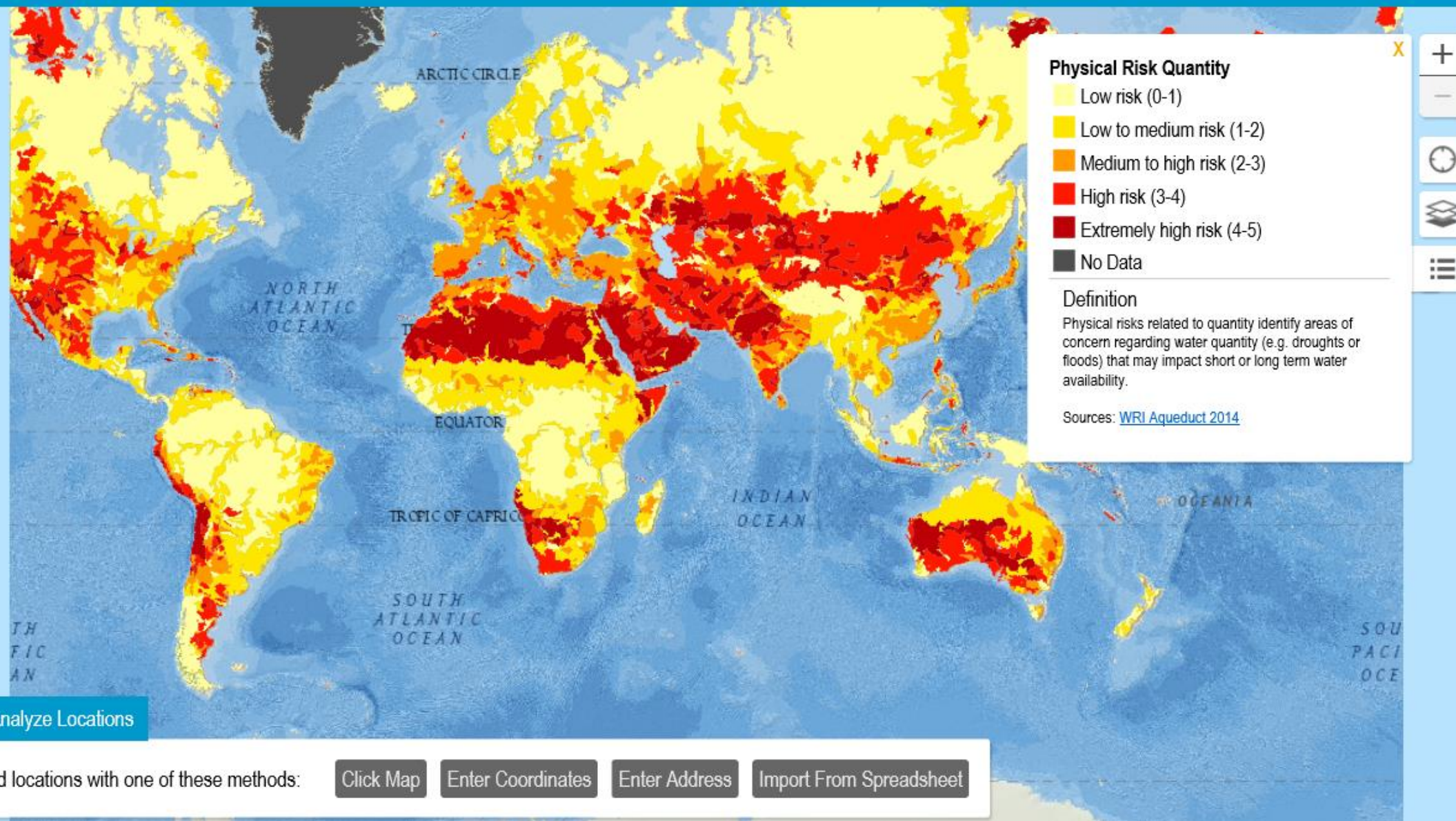
- Water use for manufacturing up by 400% towards 2050
- Rapid growth with unsafe handling of industrial wastewater

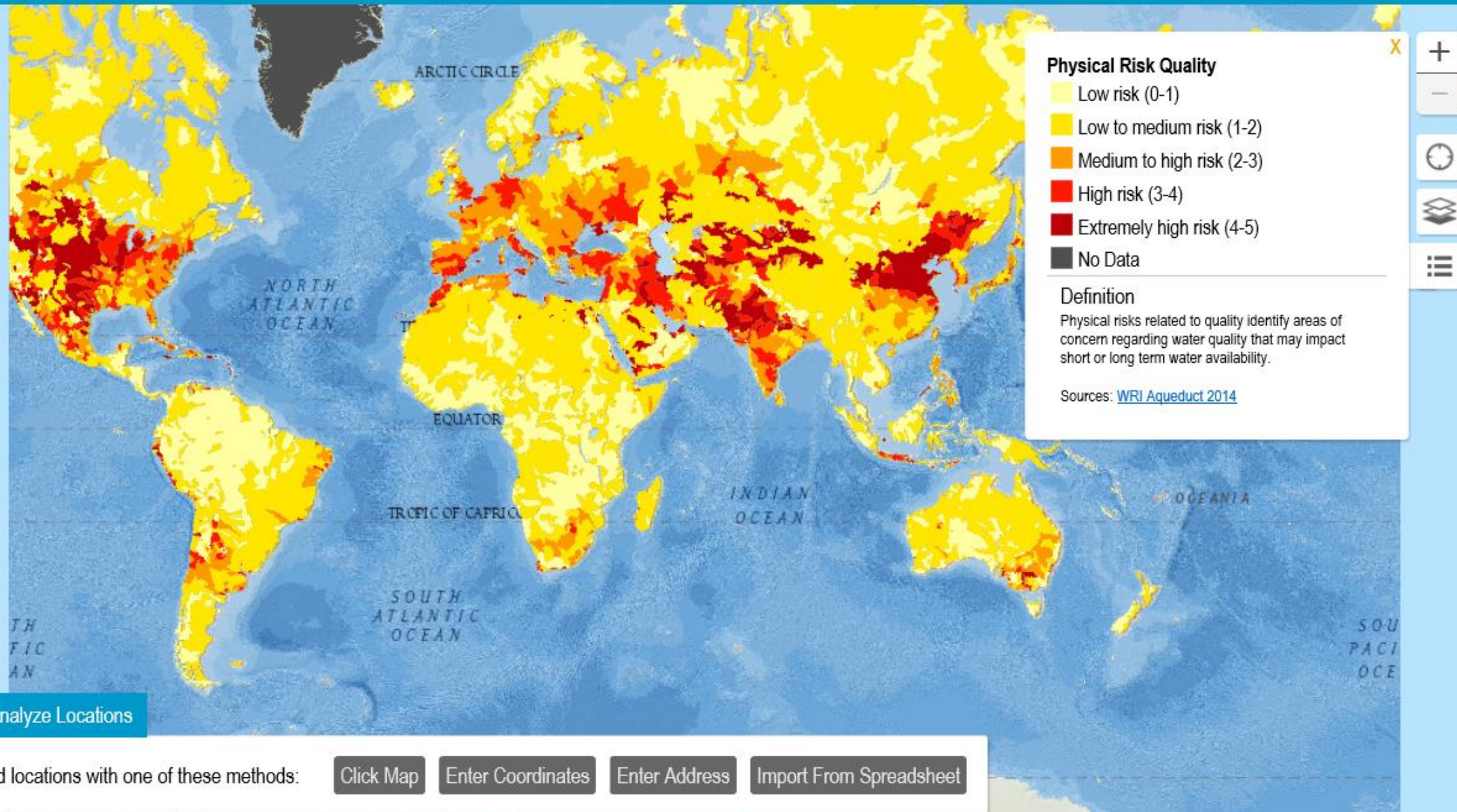
FOOD

- Irrigation currently represent approx. 70% of freshwater withdrawal
- 35% more food needed by 2030 – and 60% more by 2050

URBANISATION

- 70% urbanization by 2050
- Notably in Africa (62% urban population in slums in SSA) and Asia





The BioBooster



"What used to be a cost is now a resource. By treating process water onsite, we turn wastewater into an asset."
Jonna Mortensen, Site Manager, Arla Foods, Rødovre, Denmark.

Sustainable technology: Reusing milky water

Arla Foods is Europe's second largest dairy company and a co-operative society owned by approximately 10,600 dairy farmers. Every day, about 2.2 million litres of milk flow into its mozzarella cheese dairy in Rødovre, Denmark. In the process of making cheese, around 85% of the milk ends up as wastewater, known as milky water. Arla Foods came to Grundfos for a solution to reuse this water. Part of the problem was that milky water contains compounds that traditional wastewater treatment plants cannot purify.

For a few months, Grundfos tested its new BioBooster technology on milky water before a contract for a full-scale plant was signed. The solution was put into practice in 2015 and has been

treating milky water to drinking water quality, allowing Arla Foods to safely reuse it at the dairy or discharge it to recycling water. The treated water has been partially reused at the dairy without compromising the high food safety standards in Denmark in 2016.

The treated water has been partially reused at the dairy without compromising the high food safety standards in Denmark.

In a glance

Arla Foods is now able to reuse

150 m³

of water per day and is working on reusing the remaining

300 m³

The technology for reusing water from cheese production will enable a future where dairies will not require water, thereby reducing water consumption.

The surplus water can be safely released even into sensitive areas, as it meets all legislative requirements, thereby ensuring a viable local aquatic environment.



"It is of huge value to us that we save our water resources."
Jonna Mortensen, Site Manager, Arla Foods, Rødovre, Denmark.

The AQPure & the AQTap

Mobile Water Purification System and Water ATM in India

Grundfos Lifelink water solutions are designed to improve the quality, reliability and sustainability of drinking water supplies in the developing world. On top of technology and service, Grundfos Lifelink water solutions also build on partnerships across sectors, including a partnership with eSutir. In December 2016, Grundfos Lifelink and eSutir launched a unique mobile water purification system in Bhubaneswar, India.

The World Health Organisation (WHO) reports that over 97 million people in India have limited access to safe drinking water. The World Bank estimates that 27% of communicable diseases in the country are related to unsafe water. Grundfos Lifelink water solutions empower water service providers to offer a more reliable water supply to consumers, with the help of innovative technology through reliable partnerships across India.

How it works

The mobile water purification unit consists of a pre-treatment unit called AQPure (UF & UV based water treatment system). The unit will be sent to certain rural areas near Bhubaneswar, India in order to treat surface water and convert it into safe and clean drinking water. The purified water will then be dispensed using a Grundfos Water ATM (AQTap) at an affordable price to the communities.



"A revolutionary concept like this mobile water purification unit is an appropriate and cost effective solution, which will help give rural and tribal communities access to safe and clean drinking water at an affordable price."

Ranjan Ranjan, Regional Business Director of Grundfos Lifelink - India & Bangladesh

This first of a kind system was inaugurated by the Honorable Minister of Law and Panchayat Raj, Government of Odisha, Anur Kumar Sahoo

Read more

Grundfos.com/ sustainability



Sustainability is our business

Sustainability is not a department or a report. To us it is a mindset, a way to do business. We push the boundaries of possibility in energy efficiency and water conservation. This way we reach our goal of bringing value to the world, to our clients, to our business and to our employees.



Water is our passion

Water is the foundation of our business and of our lives. Every day, we bring our expertise on water to our business and to our global commitments. The world is facing a global water crisis and our commitment is to be part of the solution.



Social responsibility is our commitment

Grundfos has a strong tradition of social responsibility with one simple aim: To make a positive difference. From pursuing a diverse work force in terms of gender, age and ethnicity to including people with reduced work capacity, we aspire to go the extra mile.



Ethics and Integrity is our foundation

Nearly 75 years ago, our founder Poul Due Jensen said that our aim is to leave the world to the next generation in a better state than we inherited it. From that vision, he built a company based on integrity, principles, and individual and corporate responsibility.