

Norwegian Solutions in the Context of Sustainability



An Innovation Norway programme promoting Norwegian solutions to address water scarcity, sludge management and sustainability.

Summary

In Norway, the water industry provides water and sewerage services to consumers and businesses and therefore manages one of the most important resources from a sustainable perspective: clean water.

There is a strong focus in Norway on sustainability and the recognition that industry can play a role in the green shift and in transforming Norway into a competitive low-emissions society. The production of water and sewerage services generates an annual turnover of around NOK 18 billion, and municipal and sewerage systems will acquire an estimated NOK280 billion of investment in the period leading up to 2040. Big investments in water and sewerage infrastructure and climate change adaption in the coming years will encourage innovation and the development of sustainable solutions with a domestic and global market.

Norway has committed to reducing greenhouse gas emissions by 40% by 2030, and it has been proposed that the water industry take its share of the responsibility by helping to reach this goal.

In 2014 water and sewerage services accounted for around 11% of municipal energy consumption. The water industry has the potential to become energy-neutral by implementing measures relating to energy efficiency and the production of renewable energy, e.g. by using heat pumps and producing biogas.

By 2020 industries will need to have drawn up plans for reducing leakage from water pipes to a sustainable level and leakage levels need to be below 20% by 2030.

Source: Norsk Vann, 2017

Workshop Programme: Tuesday, 2 June 2020

Venue: WISA, Sandton Convention Centre in Sandton, Johannesburg

Time: 15h15 to 17h15

Harnessing Global Solutions to provide Local Solutions		
Time	Topic	Norwegian Company
15h15	Welcome & Introduction	Ms Rita Brokstad, Regional Director Innovation Norway
15h30	Present their Water Treatment Project in Cameroon	Mr Roger Blekkan, Chief Operating Officer Inrigo
15h45	Environmentally friendly Sanitation Solutions and how these play a role in addressing water scarcity.	Ms Trude Margel, Chief Communications Officer Cinderella Eco
16h00	The Hias Process: Next generation biological nutrient removal	Mr Anders Øfsti, General Manager, Hias How2O
16h15	Turning sludge into resources and the role this plays in the circular economy	Mr Gary Brown, Business Development Manager Cambi
16h30	Plastic pipe systems supplying large installations	Mr Ilija Radeljic, Technical Director Pipelife Norge
16h45	Offshore wastewater and desalination solutions	Mr Gary Brown, Business Development Manager Environor
17h00	Wave Powered Desalination as a Solution for water scarce regions	Ms Kristine Bangstad Fredriksen, CEO Ocean Oasis
17h15	Wrap-Up / Conclusion	

Speakers

Ms Rita Brokstad, Regional Director, Innovation Norway



Rita is the Regional Director of Innovation Norway Africa & Middle East. She has worked for Innovation Norway since 2009, with main responsibility for the energy and health sectors and cluster programs and business networks. From 2015 to 2019 she was based in Nairobi and headed Innovation Norway East-Africa assisting Norwegian companies in Kenya, Tanzania and Uganda.

Rita has 19 years of managerial experience from the aquaculture industry, followed by 5 years as Managing Director in the public transport sector and tourism. Rita holds a Master's degree in Science and Post-Graduate education in Business Administration.

Mr Roger Blekkan, Chief Operations Officer, Inrigo



Roger Blekkan, MSc Civil Engineer has more than 25 years of experience with water and wastewater related projects. He has extensive international experience and has worked as water treatment specialist and procurement advisor on several Norad funded projects. Roger joined Inrigo as Chief Operating Officer in 2018 after more than 10 years in top management as Senior Vice President for Norplan. He is currently Chairman of the Board for the national water cluster Smart Water Norway.

Ms Trude Margel, Chief Communications Officer, Cinderella Eco



Trude Margel, Chief Communications Officer at Cinderella Eco Group, providers of water-free incineration toilets for leisure homes, caravans and mobile homes as well as light industry. Trude is skilled in domestic and international business relations, business development and processes for multi-channel communications.

Mr Anders Øfsti, General Manager, Hias How2O



Mr Anders T. Øfsti, cand. scient., is General Manager in Hias How2O. Mr Øfsti has been engaged in commercial R&D&I his entire career, the common denominator being biological production. Through positions in aquaculture, swine genetics, cluster management and now in the water business, Mr Øfsti has significant experience in assessing and developing sustainable technology and products. Mr Øfsti is currently spearheading the commercialization of the Hias Process in

Europe, Southern Africa and North America.

Mr Gary Brown, Business Development, Cambi & Environor



Gary Brown is an independent water practitioner with over 25 years direct market participation in South Africa, Africa and the international markets across a broad range of activities and stakeholders associated with business development and marketing strategies while establishing extensive experience in water and wastewater treatment and water management practices.

He has a Masters Diploma in Water and Waste and is an active member of the Water Institute of Southern Africa and participates on a voluntary basis with research projects executed by the Water Research Commission of South Africa as a reference group member.

He has travelled extensively and has a good aptitude for identifying appropriate international technologies and services that can be implemented in the African markets and operating conditions. He has been retained to support Norwegian technologies entry into the South African market.

Mr Ilija Radeljic, Technical Director, Pipelife Norge



Ilija Radeljic is a MSc Civil Engineer with a career focus on plastic pipes (in particular solid wall polyethylene) in marine environment. At the age of 39, Ilija has a background of over 14 years in dealing with plastic pipes in various on land and marine projects and is experienced in solving various technical challenges.

Currently working with Pipelife Norway as a Technical Manager in the Long Length Large Diameter (LLLD) export department, where he continues to further develop the concept and perform various engineering tasks related to projects or Research & Development.

The projects he worked on ranged from multi-billion dollar power plants, sewer outfalls, desalination plants and waste water treatments plants, designed and constructed by world class companies around the world.

Ms Kristine Bangstad Fredriksen, CEO, Ocean Oasis AS



Kristine Bangstad Fredriksen is the CEO of Ocean Oasis AS. She is skilled in business development, strategy and sales. She holds a Masters degree in Entrepreneurship and Innovation from Norway and the US, and has broad experience in commercialising technology from Norway. Kristine is one of the three founders of Ocean Oasis.