



PRESS RELEASE

Innovative research project DryFiciency welcomes Scanship, a Norwegian pioneer in waste management

EU-financed DryFiciency project partners working on innovative industry-scale heat pump technologies for various industry applications are welcoming Scanship as new partner into the consortium. Scanship based in Norway produces advanced wastewater purification and waste management systems for ferries, cruise ships, disaster relief and merchant shipping, as well as land-based waste management systems.

(Vienna/Oslo – October 16 2019) The EU-funded DryFiciency project supports EU's climate goals by providing industries with innovative heat pump technology prototypes for industrial waste heat recovery to improve industries' energy efficiency by up to 80%, reduce production costs by up to 20% and CO₂ emissions by up to 75%. Many industrial sectors rely on drying processes during production, which produce a tremendous amount of waste heat which ends up unrecovered adding to the rise in CO₂ emissions affecting the climate adversely. The new industry partner and expert in waste water and waste management innovations, the Norwegian company Scanship, will demonstrate the MVR system developed within DryFiciency in a land-based waste management system in Drammen (Norway) for bio-sludge drying.

Scanship – Norwegian innovation hub in waste water treatment

Scanship will develop an innovative dryer that can work with both SHS (Superheated Steam Drying) as well as with MVR technology (Mechanical Vapour Recompression Technology) system developed within DryFiciency. It shall be demonstrated by Scanship in a land-based waste management system in Drammen (NO) for bio-sludge drying. The main benefit of this MVR dryer lies in its design for large temperature differences enabling it to recover and upgrade usable process heat without increasing the CO₂ footprint of the dryer. Furthermore, the SEC (Specific Energy Consumption) is reduced significantly making the process carbon-neutral depending on the electricity mix of the production site. Scanship's CEO Henrik Badin sees the potential in the DryFiciency solution: "We aim to increase the capacity of the dryers significantly in order to match the market demand and expected growth for sludge drying, especially for land-based systems."



Scanship-CEO Henrik Badin (© Scanship)

Outlook onto the future cooperation

Energy efficient heat pump solutions through the phasing in of new energy sources will increase competitiveness, and provide lower CAPEX and OPEX. This will in turn enable new products by cost efficient production and application of SHS (Super-Heated Steam Drying) for a reduction of specific production costs.

Scanship will add a huge potential for this technology to the cruise industry, in land-based waste management, in the biogas market as well as in fish farming industry. The DryF project speeds up market introduction and facilitates an important demonstration site for clients to visit. Michael Bantle (SINTEF) welcomes the new partner: “We are very happy to have established a cooperation with an energetic and ambitious partner such as Scanship. The potential of the technology especially under the aspect of reduced climate gas emissions is impressive. To get our message out into the important markets, we now need to demonstrate this on an industrial site. We are glad to have Scanship ‘on board’, without them it would not be possible to reach this goal.”

For further information

To get a look behind the scenes of the DryFiciency project visit: <http://www.dryficiency.eu>
Scanship image video: <https://www.scanship.no/promofilm/>
DryFiciency video: <https://www.youtube.com/watch?v=XSjCRkf2OhM>
Newsletter sign-up link: <http://dry-f.eu/Publications-and-Media/Newsletter>

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DryFiciency project partners

Agrana Starch GmbH (Austria): <https://www.agrana.com/en/about-us/segments-and-products/starch/>
Austrian Institute of Technology GmbH (AIT) (Austria): <https://www.ait.ac.at/en/>
Bitzer Kühlmaschinen GmbH (Germany): <https://www.bitzer.de/at/de/>
Chemours Deutschland GmbH (Germany): <https://www.chemours.com/>
European Heat Pump Association (EHPA) (Belgium): <https://www.ehpa.org/>
EPCON Evaporation Technology AS (Norway): <http://www.epcon.org/>
Fuchs Europe Schmierstoffe GmbH (Germany): <https://www.fuchs.com/at/en/>
Rotrex A/S (Denmark): <http://www.rotrex.com/Home/>
RTDS Group (Austria): www.rtds-group.com/
Scanship (Norway): <https://www.scanship.no/>
SINTEF (Norway): <https://www.sintef.no/en/>
Viking Heat Engines (Norway): <http://www.vikingheatengines.com/>
Wienerberger AG (Austria): <https://wienerberger.com/en/>