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Skanska in research project to curb CO2 emissions through artificial intelligence

Skanska is partnering with Volvo Construction Equipment, research organization SINTEF and construction software company Ditio to develop artificial intelligence (AI) for construction equipment to achieve less emissions, faster production and lower costs.

Due to logistical challenges in the construction industry, equipment can sit idle waiting on other equipment, causing both unnecessary costs and carbon emissions. The consortium that Skanska Norway is entering will explore methods as machine learning, route optimization and artificial intelligence to optimize the operation of heavy equipment, such as multi-ton excavators, loaders and haulers.

This research project begins in early 2020 and is expected to continue until the end of 2022.

“This research aims to bring about significant reductions in time, emissions and construction costs, and the goal is to make the solution commercially available to everyone. If our industry is to achieve its sustainability goals, we need to work together,” says Jo Mortensen, Executive Vice President of Technology and Operational Efficiency at Skanska Norway.

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This and previous releases can also be found at www.skanska.com.

Skanska is a world leader in construction and project development on select markets in the Nordic region, Europe and USA. Driven by the Group's values, Skanska wants to contribute to a better society. Skanska provides innovative, sustainable solutions for both simple and complex assignments. Skanska has about 38,000 employees, and 2018 revenue totaled SEK 170 billion.