



Concrete moves...



OSLO
June 7 - June 8 2018



Concrete contribution to
a changing world

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HOW WE ARE REACHING ZERO EMISSIONS FROM CONCRETE TRANSPORT AND DELIVERY

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Abstract

In the years toward 2030 the Norwegian construction sector has a very concrete challenge: build more while emitting less. Every sector will have to contribute toward meeting our climate goals both on a national and local level. Construction machinery, among them concrete trucks and pumping trucks, contributes up to 20% of CO₂-emissions in Oslo and other major cities. This will have to change going forward.

Pumping is one of the largest emission points at construction sites, compared to other machinery. Also, ca. 60% of emissions in concrete transport are made on-site. Cutting emissions in transport and delivery will therefore have real impact.

Bellona is working with NorBetong, Jørn Glad and Statsbygg toward zero emission transport and delivery of concrete. Backed by Norwegian state research funding, the project aims to demonstrate a full-scale solution by 2020.

Keywords: Zero emission, emission free, transport, pumping, delivery, CO₂, electricity, battery.