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**Press release no:** 2063

**Date:** 2025-11-01

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## **The world's first fully electric truck-mounted concrete pump, the iONTRON M42-5 on Volvo FFM Electric 8x4, is now in operation**

Following the official handover ceremony on 10 September in Gothenburg by representatives of Volvo and PM Nordic to Swerock AB, the eBSF, a fully electric M42-5 truck-mounted concrete pump, is now in operation in the Greater Stockholm area.

The first construction site was exactly one week later in Uppsala, north of Stockholm. In calm autumn weather with an outside temperature of 12–17 degrees Celsius, 100 m<sup>3</sup> of concrete had to be poured for the floor slab of a planned nursery school. The fully electric Volvo quietly drove to the construction site, located in the middle of a residential area, at around 6:30 a.m. The machine required 18% battery charge for the 50 km journey from Swerock in Rosersberg to the construction site in Uppsala. After alignment and support, the concrete pump was connected to the existing construction power supply and charged at 32 amps (22 kW). This procedure, known as 'work while charge', allows the battery to be charged while simultaneously using its capacity for pumping and moving the arm package.

The fully electric truck-mounted concrete pump handled the first 100 cubic metres with ease, at an average delivery rate of 35 m<sup>3</sup>/h and a delivery pressure of approx. 25 bar. The concrete was C30/37 with a maximum grain size of 16 mm and a water-cement ratio of 0.38 from Swerock's own mixing plant. After pumping these 100 m<sup>3</sup>, the battery was still 46% charged.

The next day, it was time to pump concrete for the ceiling of an apartment building. Another 100 m<sup>3</sup> were on the agenda. Here, too, the M42-5 on the fully electric Volvo chassis impressed with its smooth, trouble-free pumping of the concrete. The concrete there was a higher-quality C45/55 with a maximum grain size of 11 mm and a water-cement ratio of 0.40, also from Swerock's own mixing plant.

## About the Putzmeister Group

The Putzmeister Group develops and produces machinery of high technological quality in the fields of concrete conveying, truck-mounted concrete pumps, stationary concrete pumps, placing booms and accessories, plant technology, conveying viscous industrial materials through pipes, concrete spraying and transport in tunnels and underground, mortar machines, plastering machines, screed conveying, injection and specialist applications. Market segments include the construction industry, mining and tunneling, large industrial projects, power plants and sewage treatment plants, as well as waste incineration plants, all over the world.

The company is based in Aichtal. With around 4,000 employees, the company generated sales of around 1 billion euros in the 2024 financial year.

Images:



Handover to Putzmeister customer Swerock. From left to right: Niclas Johnson – Volvo, Hans Orest – Swerock, Per Hasselberg – Volvo, Angelica Bohlin – Swerock & PEAB Asphalt, Richard Karlsson – PM Nordic



Nursery School construction site in Uppsala, Sweden







Multi-family house construction site in Upplands Väsby, Sweden

