

Tsurumi Pump is right on track in France

Six Tsurumi pumps are being used to clear water and sediment during the construction of a new metro line in Rennes, France. A further eight Tsurumi machines are being employed to dewater a nearby mobile concrete facility designed to supply concrete to the busy site. The project will see the construction of the city's second metro line, line B, and it is being partially funded by the European Union as well as by regional and national government bodies. It is currently the largest French civil engineering project to receive funding from a local authority.

The line B project began in September 2014 and will be completed by the end of 2019. It will connect the south-west and north-east of the city, serving 15 stations and intersecting with the existing line A in the city center. The 14km line will consist of an 8km tunnel, covered galleries and a variety of secondary structures such as ventilation shafts and relief wells.

"This is a major project that represents an important opportunity for Tsurumi in France," says Christophe Egner, General Manager of CE2A-TSURUMI France, Tsurumi Europe's French subsidiary. "We have provided six Tsurumi pumps to meet a variety of pumping requirements on site. Due to the nature of the site, these pumps must be robust and effective to ensure the project meets strict deadlines."

A single-phase LB480 light duty drainage pump is working in conjunction with a HS3.75S submersible contractor's pump to move water loaded with sand and earth. These pumps are easily transportable and can be quickly put to work in a variety of applications. A single phase NK3-22L compact contractor's pump is also working at the site to pump sand and earth to 20m, at a flow of up to 50m³/h. A three-phase KTZ35.5 is also providing a tough, durable performance in a variety of dewatering activities at the site.

Certain operations on the project require pumps that trigger automatically when groundwater rises. CE2A-TSURUMI France is providing two cast iron autonomous pumps (the KTZE23.7 and the KTZE43.7), equipped with an Electrode Auto Control System that detects when water levels are rising to automatically activate the pumping mechanism without the need for constant supervision.

A solid performance

CE2A-TSURUMI France is also providing a number of pumps to assist with concrete production at the site. A mobile concrete production facility has been installed close to the project in order to deliver the vast quantity of concrete required – an estimated 30,000m³ per year. Eight KTZ-series contractor pumps are being used at this concrete facility, which is an essential part of operations at the site.

Tsurumi's KTZ range of robust, cast iron pumps are designed for superior operations in civil engineering projects such as the line B development. These heavy-duty dewatering pumps are capable of pumping from a maximum depth of 25m, offering a variety of heads ranging up to 48.5m with flow of up to 146 m³/h.

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Tsurumi is one of the world's most experienced pump manufacturers. From its modern facility in Kyoto, Tsurumi produces more submersible pumps globally per year than any other pump manufacturer. There are currently over 1800 different pump models in the Tsurumi range, including semi-vortex, vortex, non-clog, cutter, contractor & dewatering, sewage & wastewater, aerators & blowers, decanting units and scum skimmers. Tsurumi operates on a worldwide basis with an extensive dealer network in Europe, North and South America, Asia, Australia and parts of Africa.



