

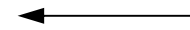
**TERRA-HAMMER TR 360 rams bollard in the Zürich lake**



The front bollard of the ferry harbour in Meilen, Switzerland at the lake of Zürich had to be reinforced. This was done by the contractor Willy Stäubli Ing. AG, a specialist for water constructions. The company Stäubli decided to ram a steel pipe with Ø 1000 mm (40") vertically in to the lake bed. This steel pipe was connected underneath a pontoon, so it could "swim" to the jobsite. After the pontoon had reached the jobsite, the steel pipe was put vertically and adjusted. Now the TERRA-HAMMER TR 360 could ram the steel pipe down into the lake bed. Afterwards the new steel pipe and the old bollard were connected by a welded steel frame.



← The steel pipe is lifted and adjusted in a vertical position. On the pontoon you can see an air compressor, an electrical power generator, a crane and two containers for equipment and personnel.



The TERRA-HAMMER TR 360 is lifted onto the steel pipe with the crane.



The TERRA-HAMMER TR 360 rams the steel pipe  $\varnothing$  1000 mm (40") into the lake bed.