

Job Report

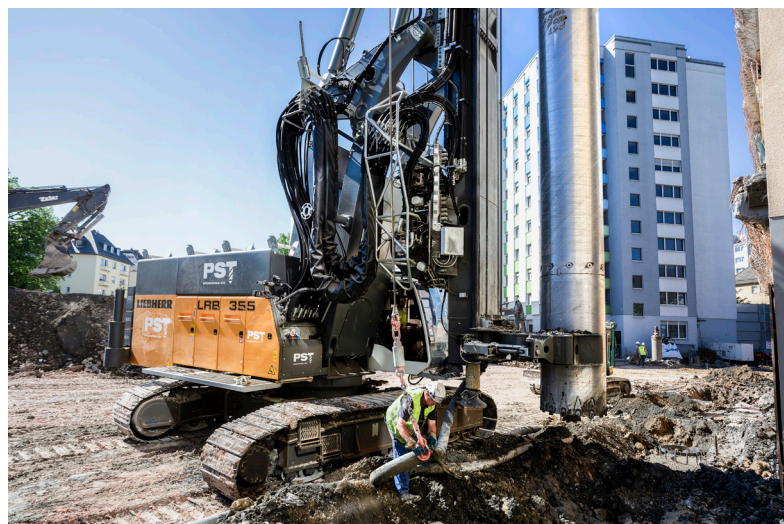
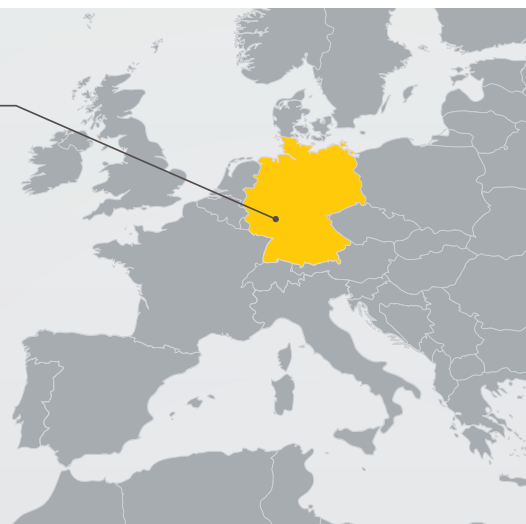
# Piling and Drilling Rig LRB 355



**LIEBHERR**



Frankfurt  
Germany



### Situation

Transportation and permit costs for transferring construction machinery between jobsites are high. Therefore, it is a considerable advantage if all applications in the fields of drilling, vibrating and impact driving can be carried out using just one machine. Liebherr's portfolio includes the LRB 355, a reliable all-rounder which does just that. Our customer PST

### Application

PST is using the LRB 355 mainly for double rotary drilling, as in the current project. Here, the piling and drilling rig is equipped with a double rotary drive, either a DBA 300 or a DBA 200. Using this method 800 piles with diameters between 750 and 880 mm, and depths down to 18 m are being installed. The Liebherr machine is performing at full capacity and requires, under optimum conditions, only 14

### Advantage

The quick exchange of equipment for different applications means enormous time-savings for PST. Although the LRB 355 proves to be very powerful in operation, its diesel consumption is only 28.1 l/h and noise emission is low. This is a distinct advantage, especially when working in the inner

Spezialtiefbau Süd GmbH is using this versatility to the full on a jobsite in Frankfurt. Investors are building new flats in the Nordend area of the city, which are to be completed by December 2019. PST is involved in the work between April and October 2018.

minutes to complete a pile (including concreting). In order to achieve a greater depth of 20 m, PST is implementing the Kelly drilling method for a further 40 piles. For this purpose the company is using the rotary drive BAT 450. The LRB is operating in Frankfurt mainly from Monday to Thursday, 10 hours per day.

city. Easy operation and the good visibility from the operator's cab complete the all-rounder qualities of the piling and drilling rig. In addition to the LRB 355, the company also has two LB 16, two LB 24 and an LB 28 from the series of Liebherr drilling rigs in its fleet.

#### Technical data: LRB 355

Operating weight:	95,3 t
Max. torque:	450 kNm
Max. pull force:	900 kN

Engine power:	750 kW
Max. drilling depth:	26 m
Max. drilling diameter:	900 mm