

Press release

Fast and efficient Liebherr hydraulic excavators renovate taxiway at Hamburg Airport

- Extensive refurbishment of Hamburg Airport's taxiway* D1 in a short timescale
- KEMNA BAU Andreae GmbH & Co KG opted for six powerful mobile and Crawler excavators
- Liebherr rental equipment and attachments to suit the application

Things had to move quickly on Hamburg Airport's taxiway D1. After all, the interruption to flight operations on the affected taxiway had to be short-lived and the renovation work had to be carried out as quickly as possible. Just the right task for Liebherr's hydraulic excavators. KEMNA BAU Andreae GmbH & Co KG relied on six Liebherr machines for the work, which were hired from Liebherr-Mietpartner GmbH. In addition to four wheeled excavators of the A 918, A 918 Compact and A 920 models, two R 920 Compact crawler excavators were also used. Thanks to the coordinated efforts of KEMNA BAU Andreae GmbH & Co KG and the perfect interaction of the Liebherr machines, the construction site was completed ahead of schedule.

Kirchdorf an der Iller (Germany), 12 November 2024 - Liebherr-Mietpartner GmbH has proven to be a reliable partner for KEMNA BAU on the D1 taxiway at Hamburg Airport. With the rental of six powerful machines, the work on the taxiway was completed reliably and to a high standard. In particular, the rapid availability of the machines and the reliability of Liebherr employees and machines were decisive factors for KEMNA BAU in choosing Liebherr.

Once the old concrete surface of the taxiway had been milled away, the four mobile excavators and two crawler excavators came into play: First, hydraulic hammers were used to break out damaged concrete patches before the taxiway was excavated and an asphalt base layer was applied as part of the extensive renovation work. This created the basis for the SAMI layer (Stress Absorbing Membrane Interlayer) - a type of "stress-relieving intermediate layer" - before the asphalt surface course was finally installed.

*A taxiway is a path for aircraft at an airport connecting runways with aprons, hangars, terminals and other facilities. They mostly have a hard surface such as asphalt or concrete, although smaller general aviation airports sometimes use gravel or grass.

Flexibility, performance and efficiency: What characterises Liebherr wheeled excavators

Wheeled excavators from Liebherr can be used for a wide range of applications: be it on the D1 taxiway at Hamburg Airport, in landscaping or on inner-city construction sites. In addition to the classic wheeled excavators, Liebherr offers a wide variety of models for the respective application with its compact

variant. The powerful engine, high loads and fast work cycles as well as excellent mobility, make Liebherr wheeled excavators real all-rounders among construction machines. Thanks to innovative technologies, such as intelligent assistance systems, they enable more efficient and safer work processes. They also score points for their high level of economy and low fuel consumption, which reduces operating costs.

R 920 Compact: Flexible use thanks to Liebherr complete package

The Liebherr R 920 Compact crawler excavator combines the characteristics of a standard crawler excavator, such as high performance and versatility, with the advantages of a compact wheeled excavator. The powerful diesel engine has a performance of 110 kW/ 150 hp and meets the requirements of exhaust emission stage V. With a low tail swing radius of just 1,850 mm, it can be used flexibly on inner-city construction sites. The compact dimensions of the R 920 Compact and its low operating mass of just 19 tonnes ensure high mobility and simple, fast transport between different operating locations.

Liebherr attachments: Suitable for every construction site requirement

In addition to the powerful mobile and crawler excavators, Liebherr offers an extensive portfolio of suitable attachments for the respective application. For example, the Liebherr TR25 Tiltrotator was used during the renovation of the taxiway at Hamburg Airport. This machine optimally utilises its advantages thanks to the pivoting angle of 2 x 50° and 360° rotation when working at close range. Various backhoe and ditch-cleaning-buckets were also used to carry out the renovation work. Thanks to the fully automatic LIKUFIX quick coupling systems, a safe and quick replacement was possible directly from the operator's cab.

The applicable solution for every application

KEMNA BAU hired the Liebherr Excavators used to renovate the D1 taxiway at Hamburg Airport from Liebherr-Mietpartner GmbH. The service company, which was founded in 1997, specialises in the rental of earthmoving and handling machines and offers customers over 3,000 high-quality machines of all sizes from 70 locations. This means that customers - such as KEMNA BAU Andreae GmbH & Co. KG - can access Liebherr machines at short notice.

About the Liebherr Group – 75 years of moving forward

The Liebherr Group is a family-run technology company with a highly diversified product programme. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality, user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 150 companies across all continents. In 2023, it employed more than 50,000 staff and achieved combined revenues of over 14 billion euros. Liebherr was founded by Hans Liebherr in 1949 in the southern German town of Kirchdorf an der Iller. Since then, the employees have been pursuing the goal of achieving continuous technological innovation and bringing industry-leading solutions to its customers. Under the slogan '75 years of moving forward', the Group celebrates its 75th anniversary in 2024.

Pictures



liebherr-flughafen-hamburg-1.jpg

The four mobile excavators and two crawler excavators showed their strength and versatility during the refurbishment of taxiway D1 at Hamburg Airport. Liebherr-Mietpartner GmbH provided KEMNA BAU Andreae GmbH & Co KG with the powerful Liebherr machines and the appropriate attachments.



liebherr-airport-hamburg-2.jpg

Thanks to the perfect interaction between the crawler and wheeled excavators from Liebherr, the renovation was completed in a very short timescale.

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