

Press release

Workplace of the Future: Liebherr Remote Control for Crawler Dozers

The Liebherr Remote Control System will revolutionise daily work routines for Crawler Dozers. Using the Liebherr teleoperation stand and high-resolution video signal, this system opens up completely new horizons: ranging from flexible remote control to exploiting areas of operation that are difficult to access. It improves safety and increases comfort and productivity, particularly when working in hazardous environments.

Telfs (Austria), November 30, 2023 – The Liebherr Remote Control System is suitable for all Crawler Dozer applications. It is made up of the Liebherr teleoperation stand, a state-of-the-art operator workstation with all the required control elements and system information. Added to this are cameras for varying viewing angles, microphones for recording machine noise, and radio receivers and transmitters. The high-resolution video signal for the main monitor provides a complete overview of the construction site and the surroundings for the Crawler Dozer. The active person detection system, fitted as an option, identifies people and obstacles within the work zone. This prevents accidents and guards the Crawler Dozer against damage. Teleoperation allows for quick driver changeover for a new shift and reduces idle and downtime. As the driver is no longer tied to the machine, the system also allows new excavation sites within the mining area to be developed or danger zones to be accessed. This expands the range of uses for Crawler Dozers.

Wide range of potential applications

Different adaptations will be available for the Remote Control System. With the on-site solution, machines can be remotely controlled directly on the construction site or in the mine without line of sight. Relay stations are available for longer distances. In the future, there will also be an option for remote operation of the system off-site, using an internet connection. The potential applications are diverse and suitable for many different construction machines. The spectrum extends from mining operations to the full range of earthmoving tasks, and from all segments of Liebherr crane technology through to goods handling and port logistics. Along with the latest assistance systems from Liebherr, which are essential for use on remote-controlled machines, this system enhances the value of the Workplace of the Future for the operator and underpins the long-term future of this career path.

Liebherr-Werk Telfs GmbH

Liebherr-Werk Telfs GmbH has been producing and developing an ever-growing range of construction machines with hydrostatic drives since 1976. The company is able to draw on the many years of experience of the Liebherr Group with this type of drive. Whether it's Crawler Dozers or Loaders, Telescopic Handlers or Pipe Layers – construction machinery from Telfs is consistently designed to keep you on the move with the highest efficiency and cost effectiveness. Increasing efficiency and reducing fuel consumption and CO₂ emissions are a central focus. The latest computer-aided technologies are used both in development and production: from design engineering to welding robot processes, right through to computerised quality management.

The Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality and user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 140 companies across all continents. In 2022, it employed more than 50,000 staff and achieved combined revenues of over 12.5 billion euros. Liebherr was founded in Kirchdorf an der Iller in Southern Germany in 1949. Since then, the employees have been pursuing the goal of achieving continuous technological innovation, and bringing industry-leading solutions to its customers.

Picture



The Liebherr Remote Control System is suitable for all Crawler Dozers and offers increased safety, comfort and productivity.

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