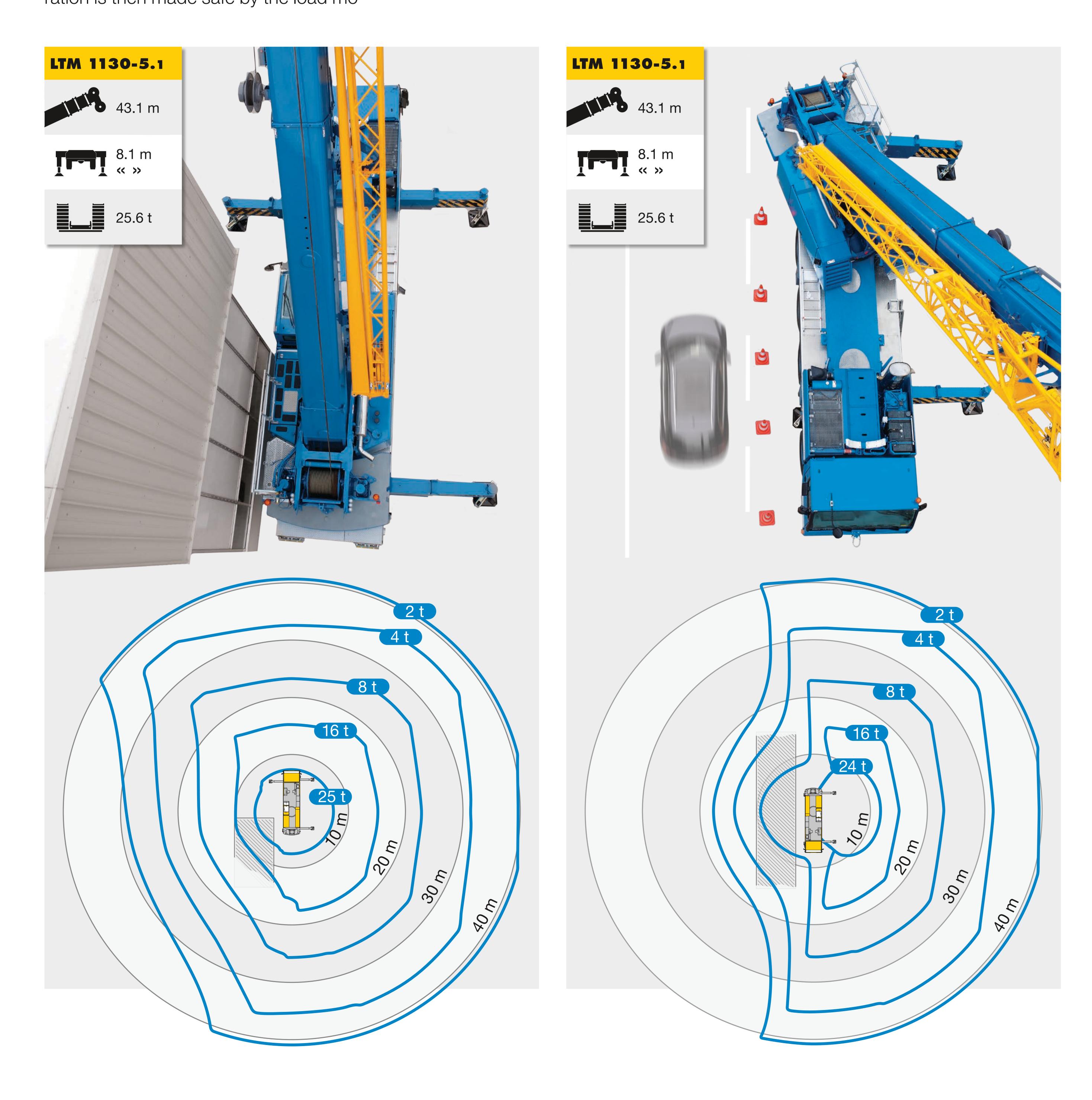# Improved safety
by Variable Supporting Base

- **Arbitrary practical support process**
- **Safe operation in constrictive locations**
- **Increase in lifting capacity and extension of possible uses**
- **LICCON work planner included in the crane cab**

Working on sites often means difficult, constricted conditions. It is often not possible to extend all the supports evenly in crane use locations. Liebherr has developed a unique new system with which every individual crane support can be extended to any length and the crane operation is then made safe by the load moment limiter within the LICCON control – this is called the Variable Supporting Base. The extension length and support force of every single support is measured and the maximum lifting capacities for this situation are calculated by the crane control.

This means that for the first time it is possible to work safely with any support base and accidents caused by incorrect operation can be avoided both during the setup process and when handling loads.

More lifting capacity, larger working range
by Variable Supporting Base

The Variable Supporting Base ensures higher lifting capacities and a larger working range, even with a maximum support base. The largest increases are made in the operating ranges directly above the supports. The Variable Supporting Base system also makes improvements over the 360° lifting capacity tables for hoisting to the front and rear.

When the crane is used with part ballast the increase in lifting capacity and the extension of the radius is even more pronounced with the new system than with full ballast. This means that there are less ballast transports needed for many crane jobs.

The LICCON work planner is supplemented by the Variable Supporting Base system which means that jobs can be planned in advance with the new system by the operational managers. But the LICCON control in the crane cab will also be supplemented with the work planner which means that the planned hoists on the actual site can be simulated.

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