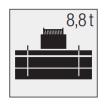
Improving the economic efficiency of cranes by technical innovations

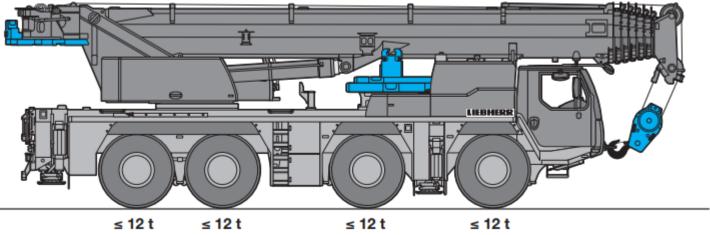


Variety of driving conditions

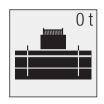


≤ 48 t



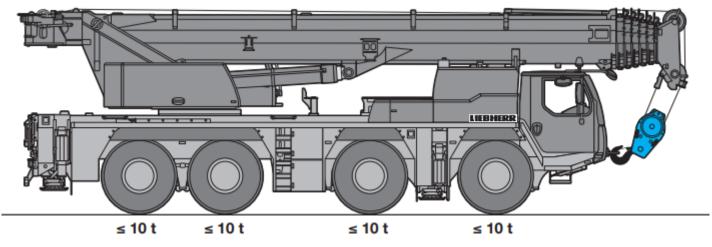


Variety of driving conditions

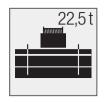


 \leq 40 t



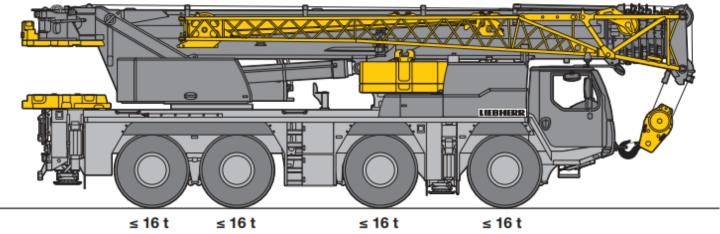


Variety of driving conditions

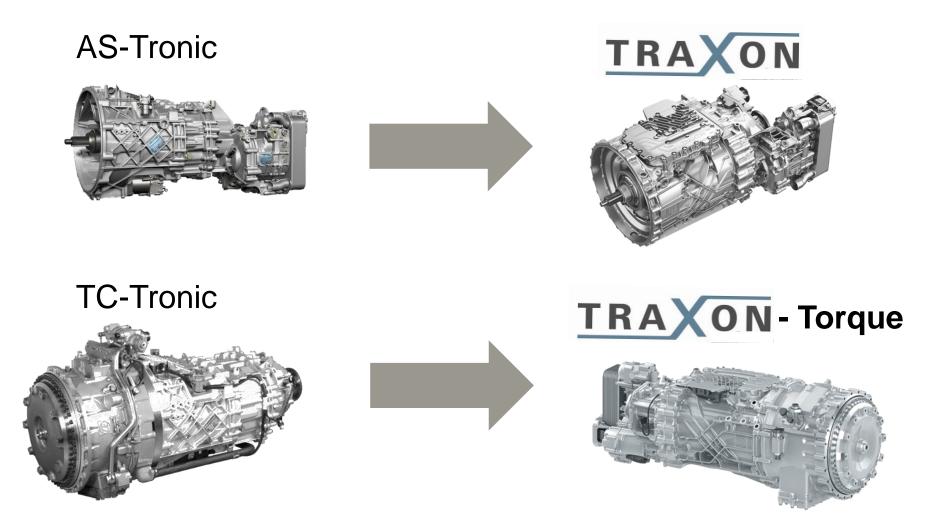


≤ 64 t





TraXon





TraXon









"Hill Start Aid"

3 – 5 axle crane







Innovative measuring technology

- Length measurement
- Precise pressure measurement
- Automatic detection of the centre of gravity and tipping limits in the crane control with the calculation of the load capacity

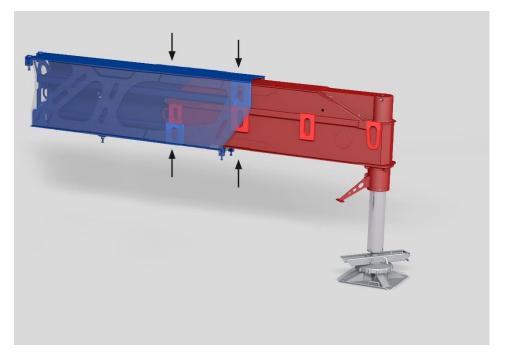








- LTM-cranes up to 5 axles and LTC-cranes
- Outrigger beams can be extended to completely arbitrary positions



With pinning positions

- Larger LTM-cranes and LTF-cranes
- Beams without consistent load carrying capacity
- Several existing pinning positions at the outrigger beams





More Safety

- The support base cannot be set up incorrectly by the crane operator
- Monitoring through load moment limiter and automatic reduction of the working speed before the shut-off point
- The increased safety and easy of use takes the strain of the crane driver

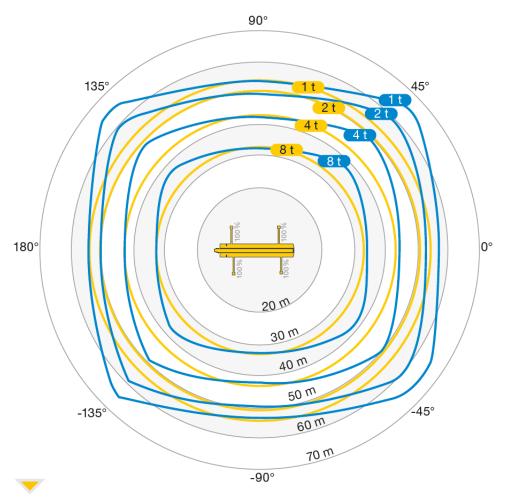






More Capacity

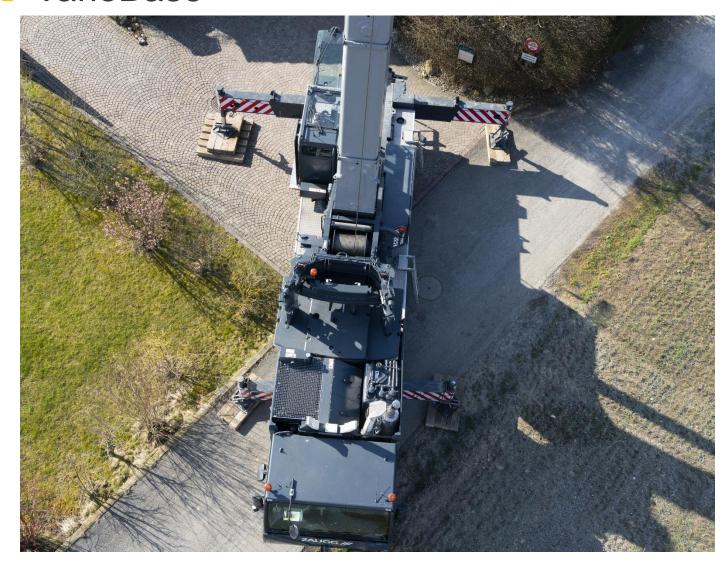
- Even with a maximum support base,
 VarioBase® can offer higher lifting capacities and a larger working area
- The greatest increase is achieved with partial counterweight



Example: LTM 1300-6.2; yellow: 360°-load chart, blue: VarioBase®









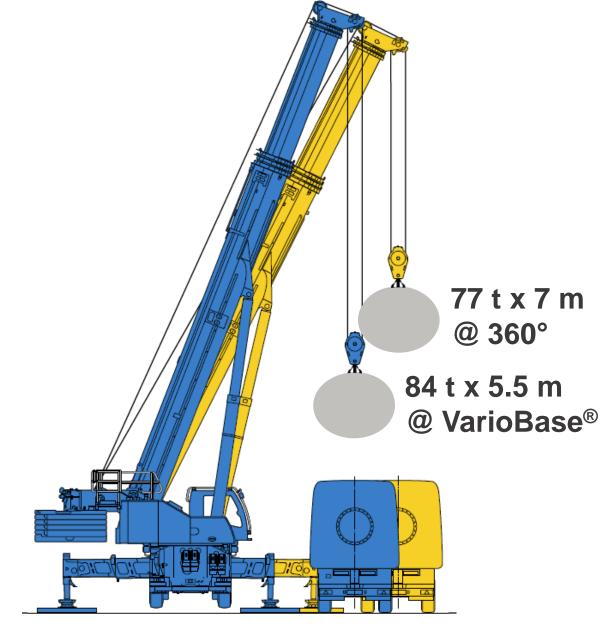




Shorter distance to the load



Higher load capacities







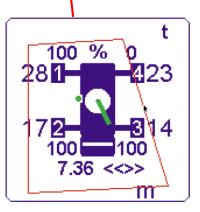




Intelligent crane control

- Current support position with extension length and support force
- Crane's tipping edge and overall centre of gravity















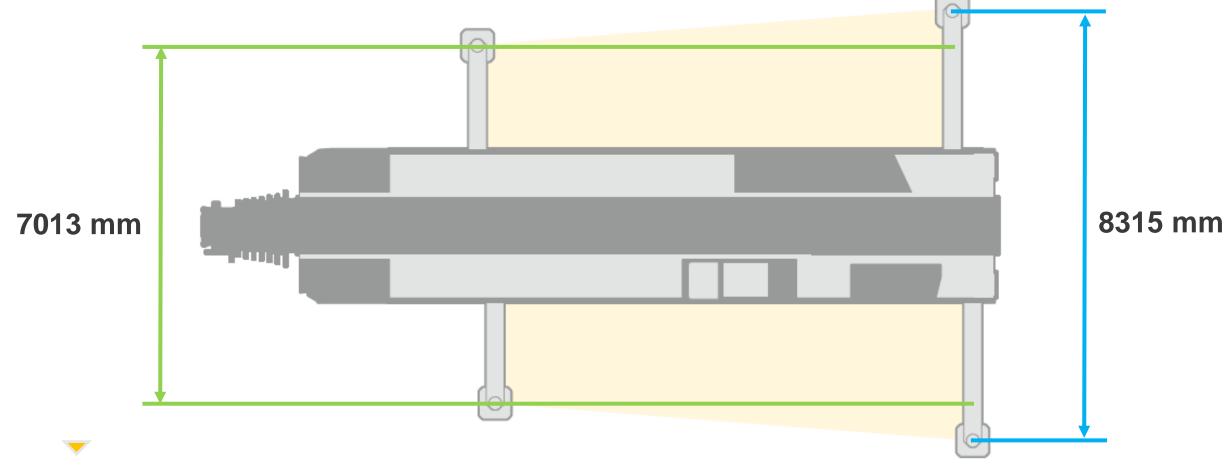
Integrated work planner

- The LICCON work planner is included in the crane control
- Lifts can be simulated directly on site
- The PC version allows to plan crane jobs with VarioBase® in advance



VarioBase® Plus



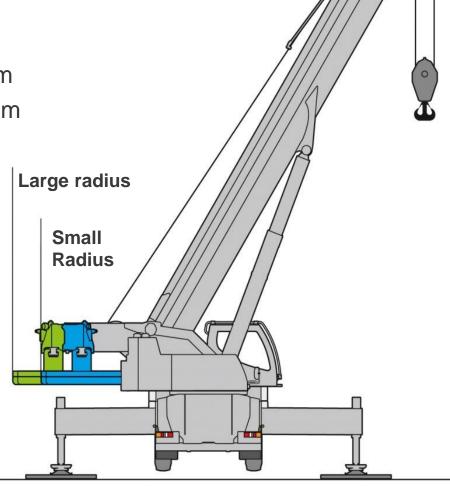


Example: LTM 1110-5.1



Simple mechanical adjustment

- Small radius for constricted job sites: 3.77 m
- Large radius for maximum capacities: 4.71 m



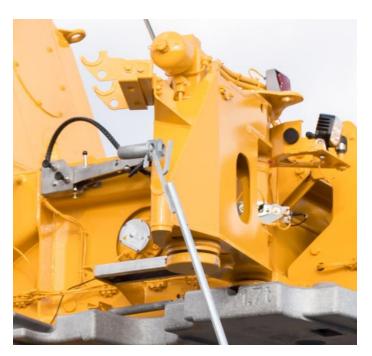


Example: LTM 1090-4.2



















With small radius the ballast radius is within the supporting base





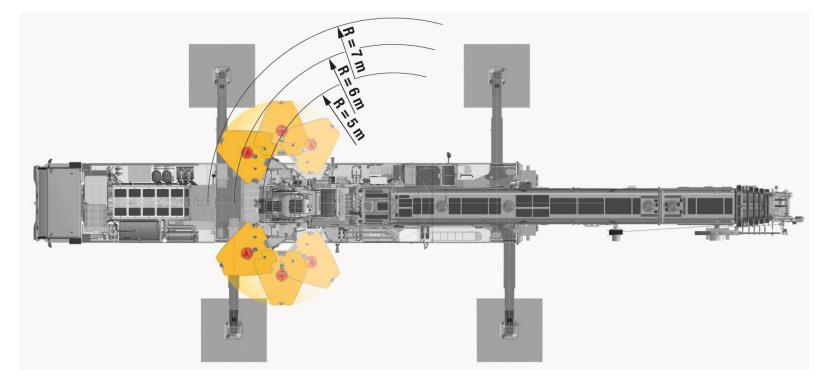






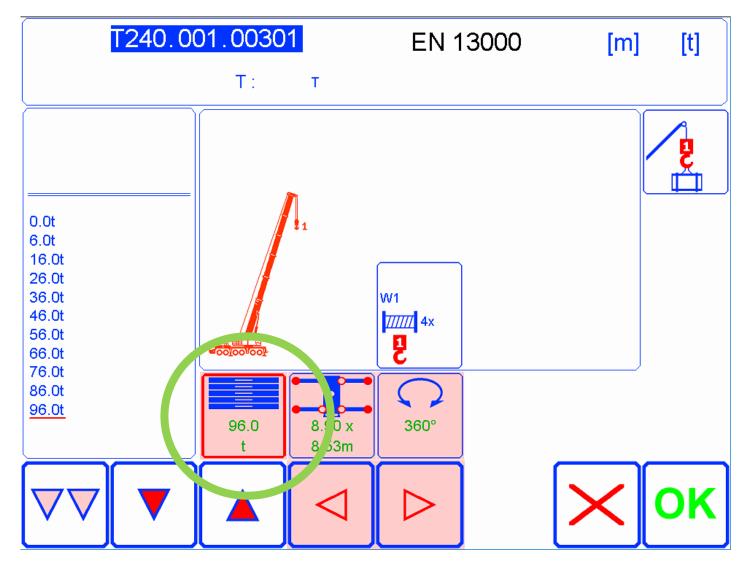
Simple hydraulic swivel mechanism

- infinite adjustment from 7 to 5 m
- Large radius for maximum load capacities and small radius for constricted sites



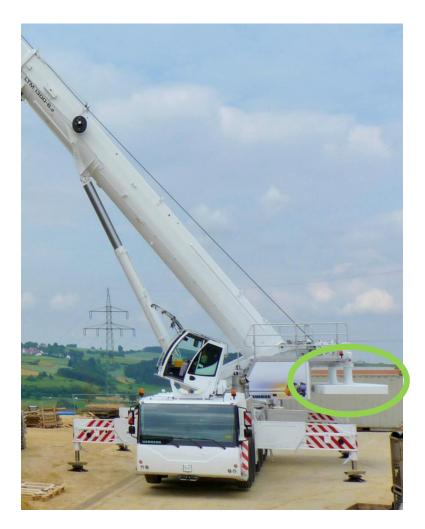


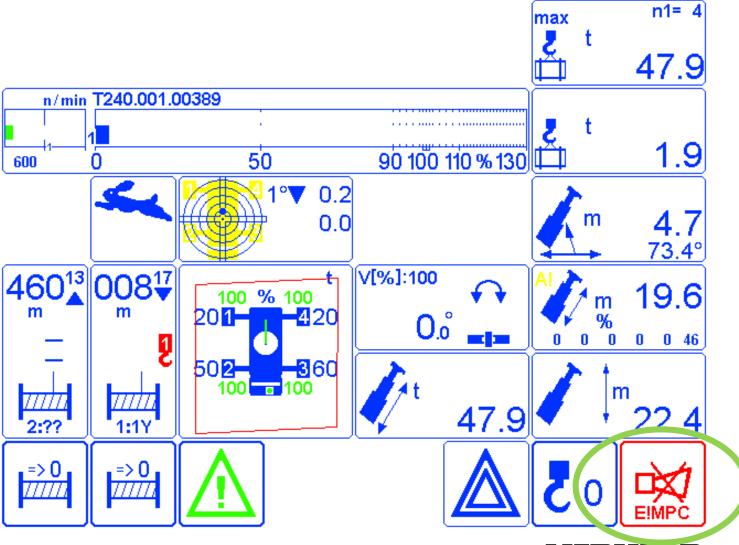
Counterweight monitoring system





Counterweight monitoring system





Counterweight monitoring system

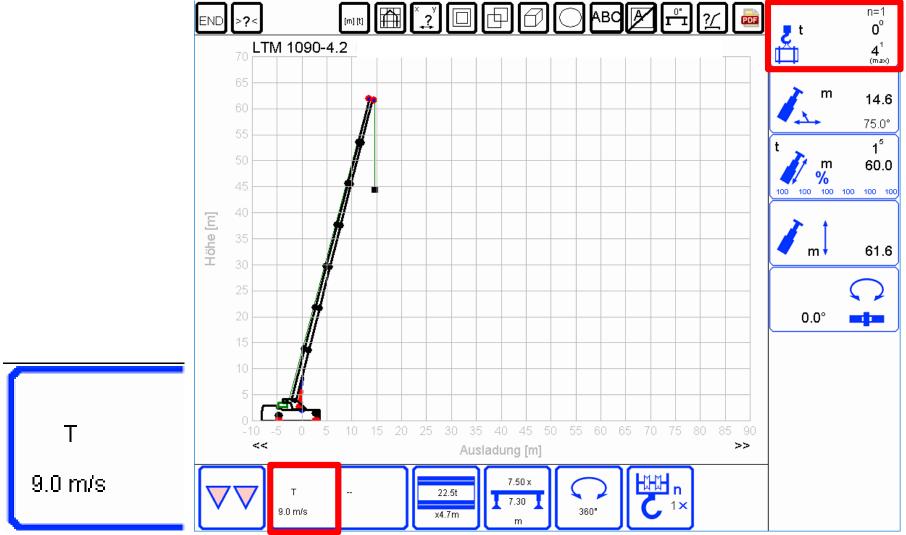
LICCON		
ERROR-DE	TECTION	MPC - 01/01
ERROR	DESCRIPTION	1/ 1
+E1D02C0 → LSB-BSE1:LMB		
10:10/16	STOP, ballast detection: ballast not as set up	



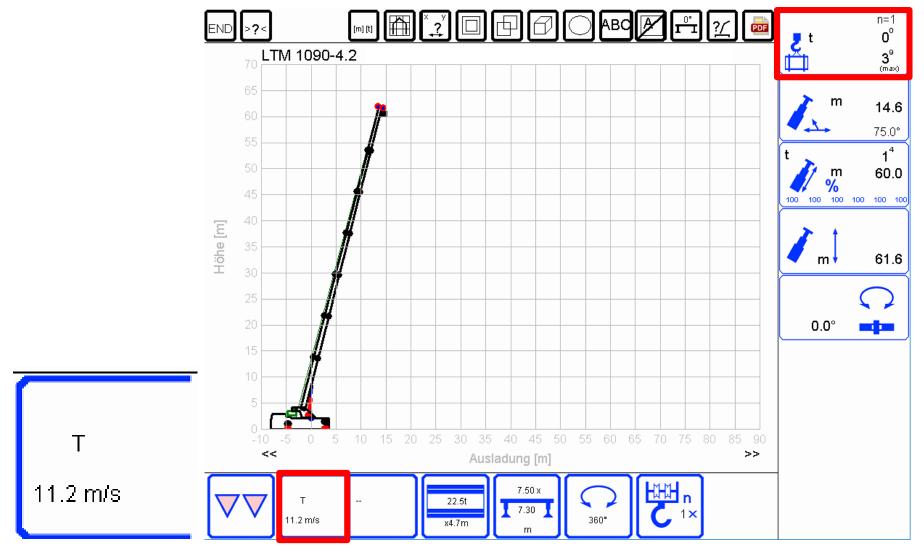






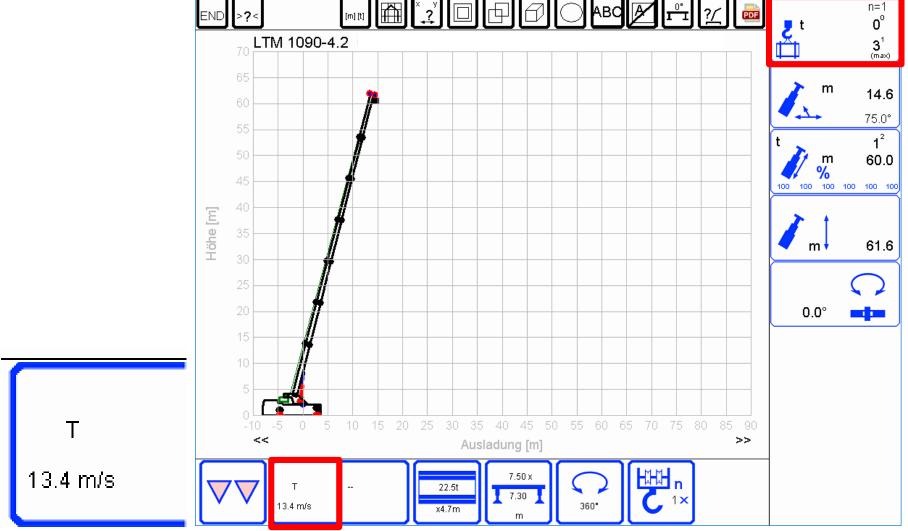






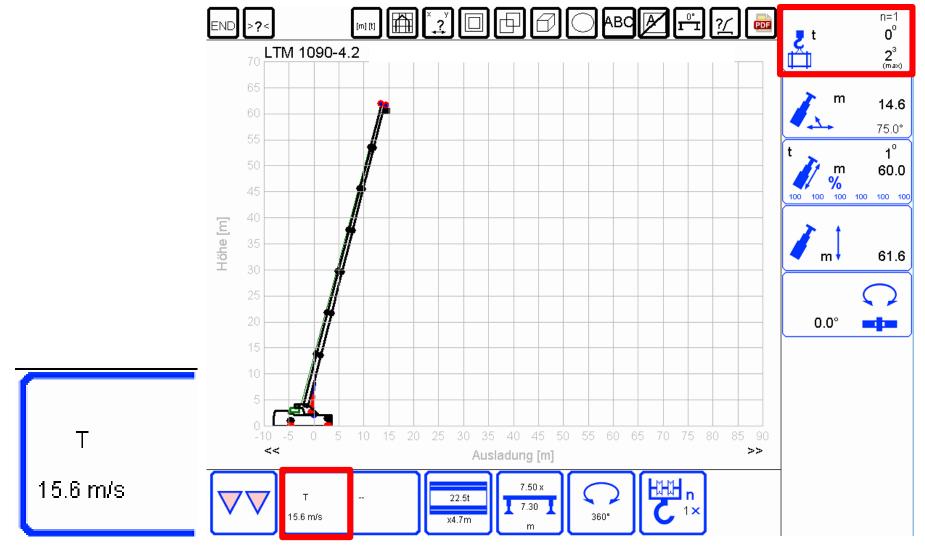


























Thank you!