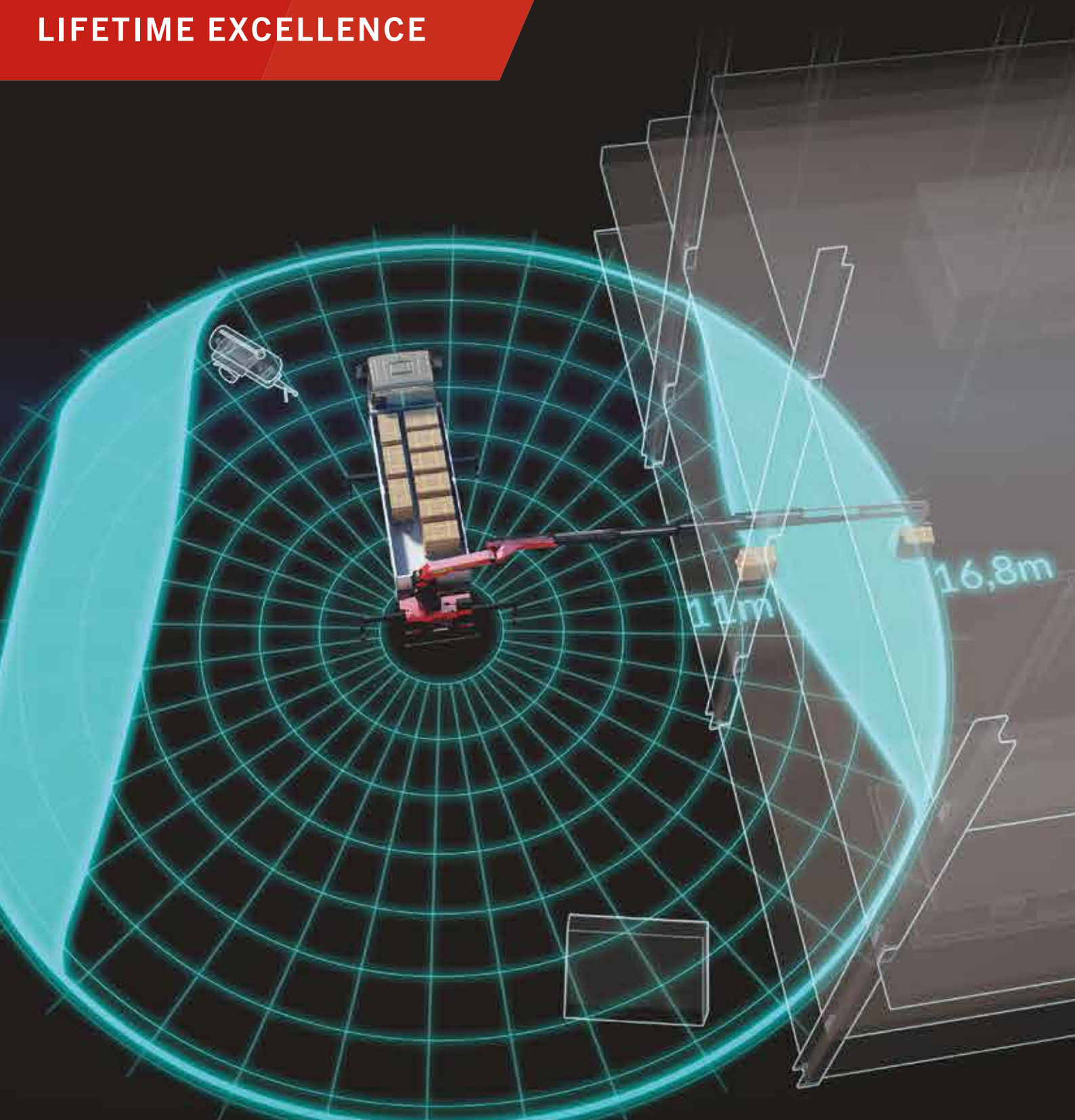


**HPSC-PLUS LOAD**

# **MORE OUTREACH DUE TO LOAD DETECTION**

**LIFETIME EXCELLENCE**



# HPSC-PLUS LOAD

The new HPSC-Plus LOAD stability control system adds a load detection module to HPSC. HPSC calculates the necessary lifting capacity in a split second and does not switch off until the real stability limit has been reached. Combined with the LOAD module, this now applies also for significantly varying truck loadings. That means that you always have the full reach at your disposal, with maximum safety, irrespective of whether the vehicle is unloaded, partially loaded or fully loaded. Systems based only on inclination are efficient either with or without loading. HPSC-Plus LOAD can handle both. That makes the combination of HPSC and the add-on module LOAD unique.

## More Efficiency in Use

- Optimal utilization of the working range depending on the loading (empty, partially loaded or fully loaded). The inclination is then used as an additional indicator for the increase of the crane performance
- The actual stability can be fully used thanks to adaption of the system to the real capabilities of the vehicle. The system always has the same level of performance, due to the structured and guided initial set-up process. Other systems change their behaviour significantly depending on the way the truck is positioned and supported
- No re-calibration during operation

## User-Friendliness

- The operator does not need to switch the LOAD-module on and off separately
- Current status queries are sent directly to the PALcom P7 remote control

## Safe Crane Operation

- No matter if only HPSC or HPSC-Plus LOAD is active. The stability is always calculated automatically by the electronic overload system of the crane

## Applications

- Construction material transport:  
Optimised unloading of pallets, by making use of the loading on the truck
- Grab operation:  
Laying gravel in a water pipe trench without repositioning of the vehicle
- Assembly work:  
Unloading over the front of the truck cabin. Any load on the truck serves as a ballast weight for extending the reach







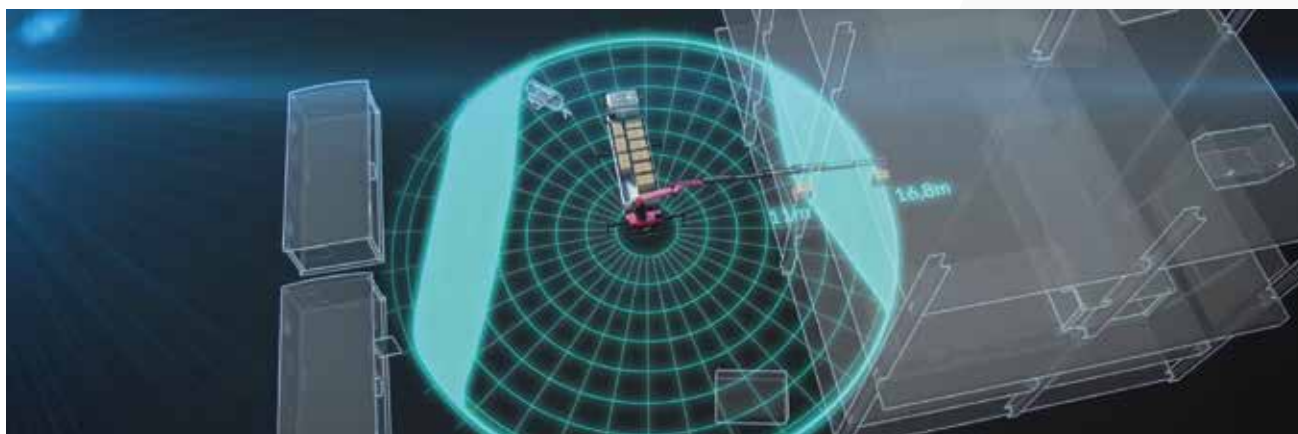
# HPSC-PLUS

## ADD-ON MODULE LOAD

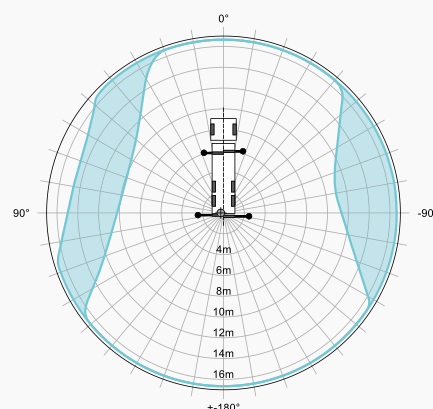
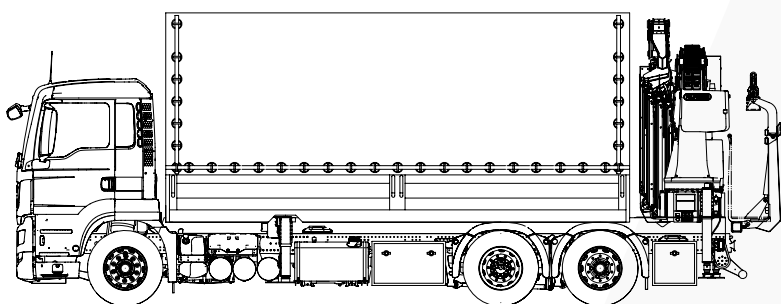
Without loading on the truck, the pallet can be lifted to a reach of 11 m



In case of a half-loaded truck, it is already possible to lift the load almost 6 m further



This example uses a PK 34002 SH, rear assembly, 6x4 truck, 26 tons, stabilisation width: 66%

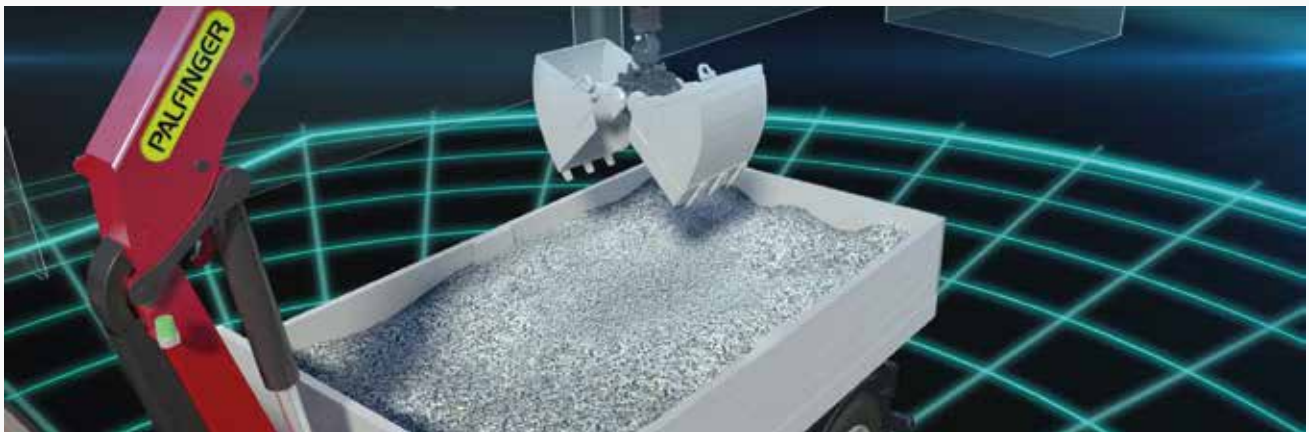


The turquoise area shows the reach gained when a partial loading is added. The load at the boom tip can be lifted up to 6 m further before Paltronic stops the crane.

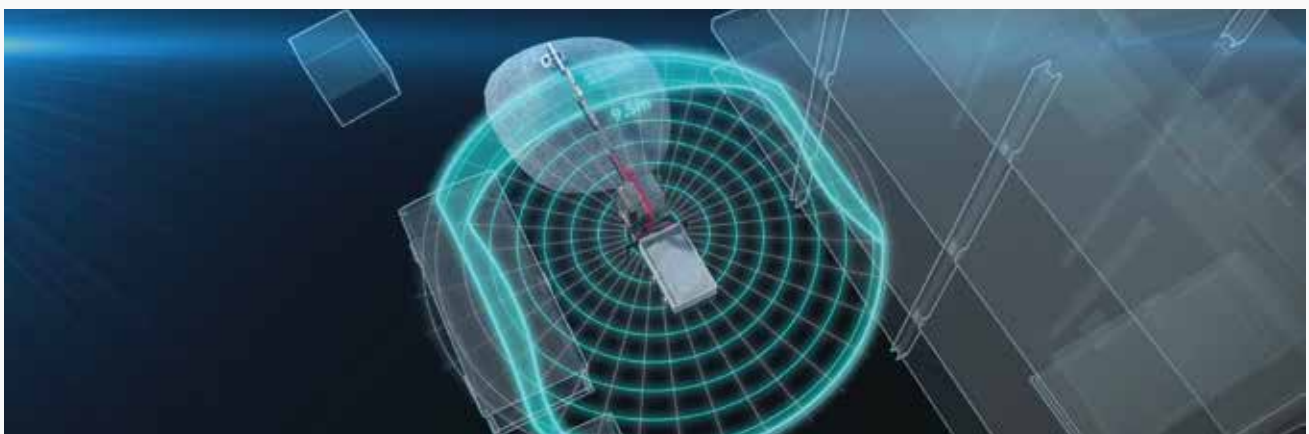


The new HPSC-Plus LOAD add-on module adds load detection to the tried-and-tested stability control system from PALFINGER. It uses the truck's inclination as an additional parameter, thereby optimising the crane's performance.

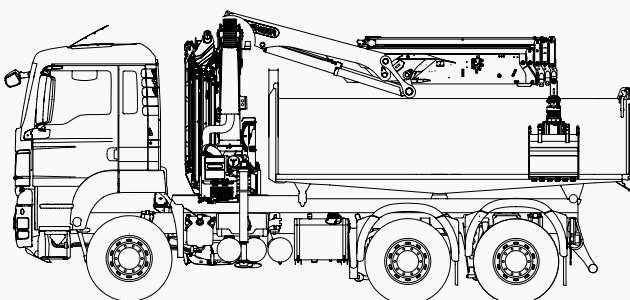
Even bulk material can be used as ballast to increase the reach



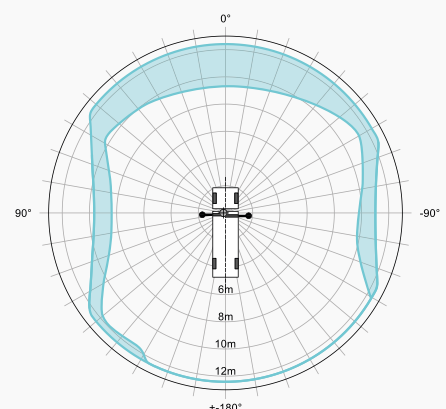
The load at the boom tip can be lifted up to 3 m further forward and approximately 1 m further to the side



This example uses a PK 18502 SH, front assembly, 6x4 truck, 26 tons , stabilisation width: 33%



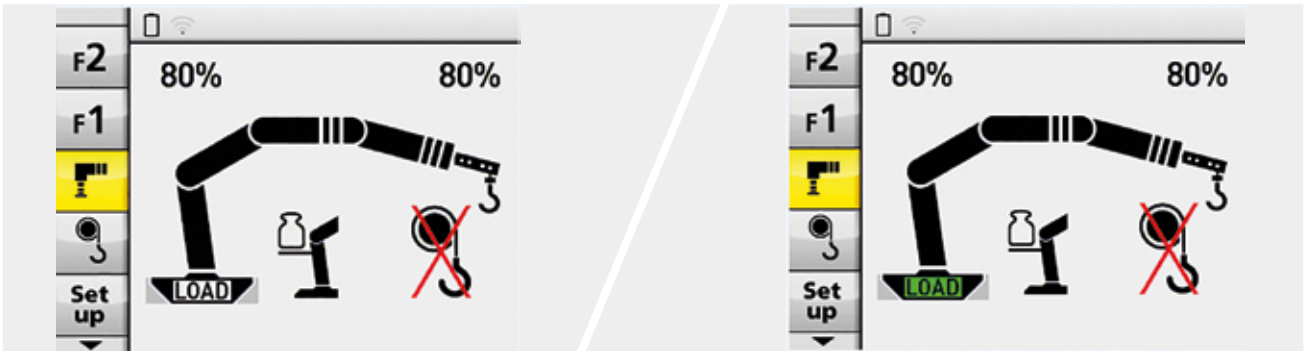
The turquoise area shows the reach gained when a partial loading is added. The load at the boom tip can be lifted up to 3 m further forward and approximately 1 m further to the side before Paltronic stops the crane.



# COMMUNICATION WITH THE OPERATOR

With all SH and TEC 7 models, the current status of the innovative system can be shown on the display of the PALcom P7 RRC-system and on the control stand.

Visualisation on the radio remote control and on the control stand

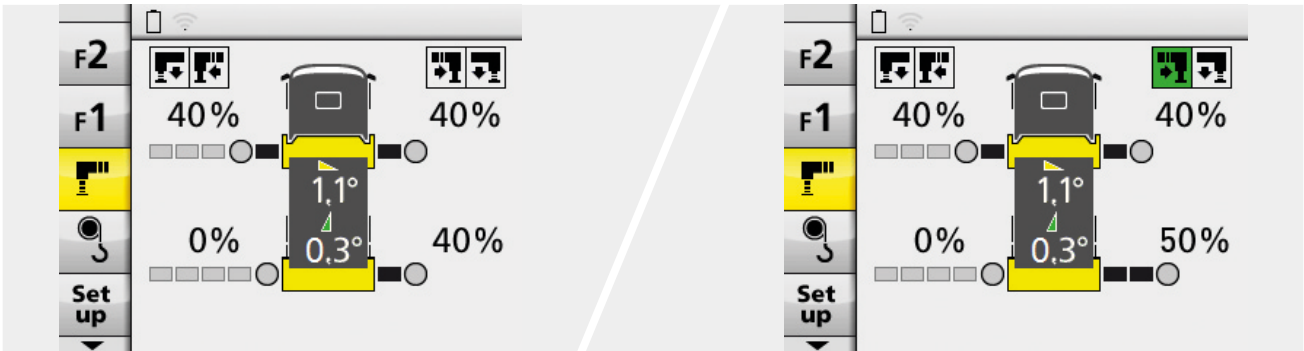


HPSC LOAD deactivated

HPSC LOAD activated

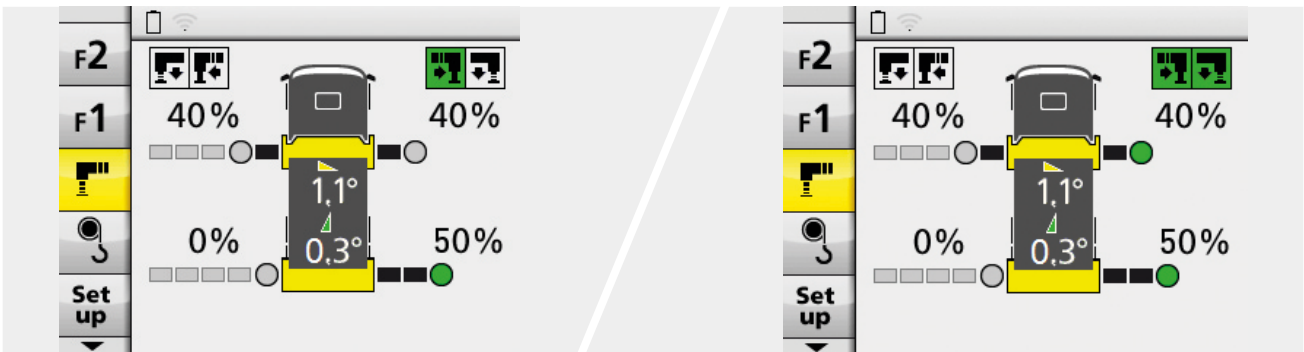
 LOAD not available    LOAD not activated    LOAD activated

Display showing stabiliser status



Not ready

Outrigger ready



Outrigger and crane stabiliser ready

Right-hand side ready

# HPSC-PLUS

## HPSC-Plus LOAD

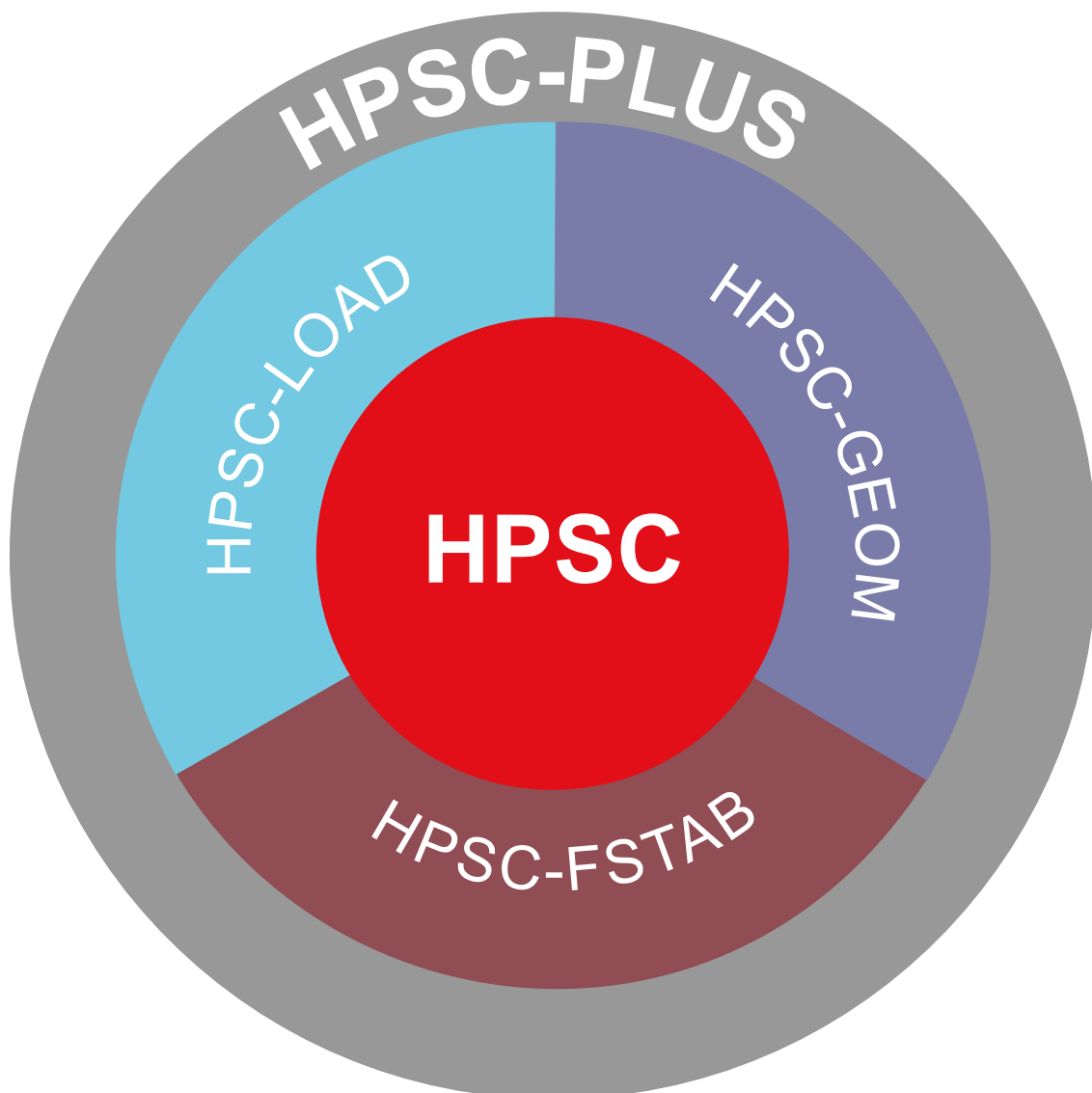
Longer reach thanks to load detection

The HPSC-Plus LOAD module reacts to the truck's loading situation and uses the inclination to determine the maximum load limit suitable for the current situation.

## HPSC-Plus GEOM

More lifting power thanks to length measurement system

The HPSC-Plus GEOM module enables precise determination of the centres of gravity of the extension boom system and the load on the crane, with the aid of a length measurement system. This results in an increase in performance when the crane is not fully supported.



## HPSC-Plus FSTAB

Better performance through stabiliser force detection

The HPSC-Plus FSTAB module monitors the load on the stabiliser rams. This module shows its strengths at very low stabiliser widths and very high vehicle loadings.

KP-HPSC-LOADM1+EN

Cranes shown in the leaflet are partially optional equipped and do not always correspond to the standard version. Country-specific regulations must be observed. Dimensions may vary. Subject to technical changes, errors and translation mistakes.