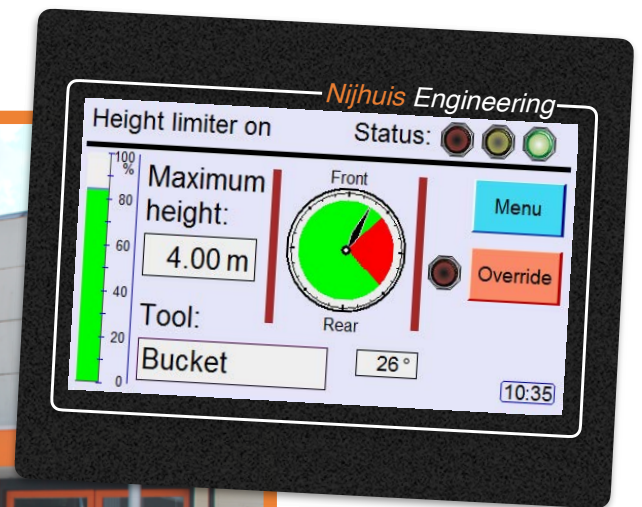


Slew, height and area limiter

Arealics is a system that can prevent an excavator to work in a certain dangerous area. That can be a slew section, virtual wall or high area. The system defines the radius and the height, by means of stainless steel IP67 angle sensors, fitted to each jib section of the machine. The slew angle is defined in parts of a degree, by means of counter sensors in combination with proximity switches on the slew ring of the machine.

The system is controlled and set by means of a touch screen in the cabin. The operator can set the limited height or working area from the screen. It is also possible to create a virtual wall on either side of the machine to prevent (eg. for rail machines) working over a live rail.

As soon as the arm or the attachment of the machine threaten to intrude the limited area, this motion is stopped, while the adversed motion remains free to leave this area again. This stopping action will automatically be slowed down and as an extra this slow down can be fitted at other movements to prevent brusque stopping action.



Specifications

4,3" touchscreen display

Complete setting of the limiter through the touch screen in the cab

IP67 Stainless steel angles sensors

Maximum use of the limited working area

Switches off the movement of each individual jib section or tool

Possibility of individual implementation of all the different attachments

Integrated "black box" data logger

Can be fitted to all sorts of machines.



Virtual wall



	Locked	Unlocked
Main jib	up	down
2nd jib	up	down
Stick		both
Quick coupler		both

Safety systems

EN 13000
Rated capacity limiter (RCL)
(all hoisting machines)

EN 15746
Rated capacity limiters
(RCI/RCL) for Hi-rail
excavators

Height, slew & Area limiters

Hose break protection
(electronic and pilot pressure)

Integrated weighing systems

Weighing systems for wheel loaders

Weighing systems for excavators

Weighing systems for conveyor belts

Weighing system for
agriculture trailers

Construction

Complete modification
of excavators to rail use
& BE-AR rail
suspension

Hoisting extension jibs
(Telescoping with or without a winch)

Access platforms (steel
and aluminium)

Specials/ 3D engineering

Auxillaries

NEN 280 access platform conversions

Remote controls

Grade/ digging control

Access platform