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"ADC"

The **ADC** device (**Automatic Dynamic Control**), developed by the Fassi Gru SpA Research and Development department, is another device exclusively belonging to the Fassi product.

ADC is an intelligent function that **automatically controls the dynamics** on all the crane articulations (inner – outer and jib, if fitted) **maximising the movement speed** in relation to the handled load.
In terms of practical utilisation, by increasing the moment applied on the crane and consequently of the pressures induced from the load in the lifting rams, read by the same pressure transducers which activate the lifting moment, a progressive reduction of the crane utilisation speed automatically occurs. This allows high speeds without load or with quite low loads and controlled speeds with greater loads guaranteeing an high operation safety in terms of truck stability with a drastic reduction of the structural stresses both on crane and on the truck chassis.

The advantage is evident above all when operating the descents with high loads: a sudden stop of the movement doesn't cause any oscillation of the crane and truck booms as the speed reduction proportionally to the applied load drastically reduces the dynamic effects of the sudden stops and water hammerings.

The handling of the dynamics control is made by means of parameters present in the software of the electronic card situated in the main processor unit.
ADC is installed and **activated** on cranes equipped with the electronic limiter advanced type (**EVOLUTION** crane range) and on cranes with **continuous rotation** controlled via radio control.

Advantages for the operator:

- **Extreme reduction of the structural stresses on the crane** with consequent increase of its life.
- **Extreme reduction of the structural stresses on the truck chassis and crane sub-frame** with consequent increase of their life.
- **Extreme reduction of truck tilting risk** due to sudden manoeuvres with maximum loads following to the drastic reduction of the dynamic effects and of the water hammering.
- Smooth and automatically controlled movements thanks to the device.