

# ATV+ AntiSway

## Effortless and stable load control

### + GH SOLUTION: ATV+AntiSway

- Reduction of load swaying, through a simple solution: software integrated in the crane variable speed drives.
- Reduces swaying due to acceleration and braking.
- Effective for the movement of the trolley and the bridge.
- Easy to set up and use. No subsequent adjustments required.
- Easy retrofitting to existing cranes by loading the firmware onto the variable speed drives.



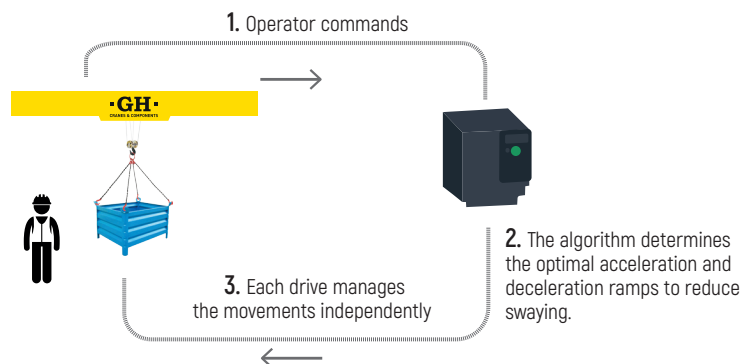
### + ADVANTAGES

/ Greater speed + Greater precision = Increased Productivity and Safety.

Without complicating things for the operator: the system reduces the swaying automatically.

### + HOW IT WORKS

- 1 Inputs:
  - / Operator's commands for bridge and/or trolley movement (accelerate/decelerate).
  - / Trolley and crane speeds.
- 2 Algorithm integrated in the firmware of the variable speed drives that **control the trolley and bridge motors**. The algorithm determines the optimal acceleration and deceleration ramps to reduce swaying.
- 3 Each drive controls the movements independently.
- 4 Return to point 1.



## TECHNICAL DETAILS

The anti-sway software is included in the firmware of the Schneider ATV320 & ATV930 variable speed drives. After initial configuration, it performs acceleration/deceleration ramps autonomously – Requires no additional sensors or PLCs – Minimal maintenance – Open-loop control: it will not detect or correct swaying due to external causes – Automatically disconnects at slow speed to facilitate load positioning – Allows reconfiguration, disconnection and reconnection by physically accessing the drives.