

**INDUSTRY** Cranes

**FIELD** RTG

**APPLICATION** Hoist

Increasing demands require greater accuracy from control equipment, in particular when positioning loads, is extremely difficult if not impossible when relying on conventional, mechanical cam limit switches. Hübner's U-ONE® universal encoder system offers a lot more possibilities to optimize operations.



#### Task:

#### PSA EXOLGAN TERMINAL BUENOS AIRES

Mechanical cam limit switches were installed on the drum side of the SISU RTG. Resetting these mechanical cam limit switches, for example after replacing the ropes, was extremely time-consuming. Moreover, the switching points no longer fulfilled the accuracy requirements demanded in today's world. Then there was the customer's wish to install overspeed protection on the drum side and to be able to acquire speed data.

#### Hübner solution:

The U-ONE® universal encoder system fulfills all of the customer's requirements. Minor mechanical modifications were necessary in order to install the base unit, which could be done by the customer. Evaluation electronics provide the desired switching points, overspeed protection as well as speed data. And, thanks to the software included in the scope of supply, switching points and operating ranges are user programmable to fulfill on-site requirements. Signals between the basic unit and the electronics are transmitted via fibre optic cable to ensure EMI immunity.



#### Products

- U-ONE® Basic Unit
- Electronic position switches
- Electronic overspeed switch
- Speed control

#### Customer benefits

- Replaceable components
- Accuracy
- Time saving
- Multifunctional