

Command and control system equipment and tram and railway lines grinding by various European customers.



Purchaser: **MECNOSERVICE s.r.l.**

Order: Various from 1996, last work in progress.

Time required: About 2 months for each machinery

Mechanism data:

Principal journey translation: 2 asynchronous engines with 22kW inverter each one.

Support journey translation: 2 asynchronous engines with 11kW inverter each one.

Grinding system: until 16 asynchronous engines of 11 kW each one.

Description:

The journey has to enable fast translations for the movement from the station to the working point (some kilometres) with a speed of 30km/h and a gradient of 3%. At the same time the traction system has to enable an extremely constant and repetitive low speed (about 0,5km/h) in order to permit an even removal of the material. Now the most tested system is realised with SIEMENS SIMOVERT frequency inverters for a precise command and control traction.

The traction wagon is equipped with a pneumatic braking system, certified now by RFI.

The working modules are equipped with pneumatic system for the movement and with electric engines for the control of working stones.

The hardware engineering in tightened collaboration with the designer and the machinery constructor, observes the employment needing and uses the newest technical evolutions.