

Endurance® is the new innovative roller battery developed by POMA to ensure a low environmental impact and the safety of the operation and maintenance teams.



- special inspections at the tower head, without disassembly
- grease-free joints
- no. 1 roller battery in terms of load per roller
- fewer rollers or even fewer towers
- unrivaled durability
- in operation since 2019
- 5 patents

Compatible ✓ new ropeways ✓ existing ropeways



## DESCRIPTION

Endurance® is an innovative roller battery that comes with a wide range of line supports and tower heads (Support, Compression, Mixed) to meet the exact needs of the installation.

The result of several years of research and development, its unequalled technical and environmental performance has been tried and tested in the field since 2019.

Operation and maintenance are optimized for greater durability and better operator safety.

## FEATURES & BENEFITS

### Unparalleled performance

Highest load per roller on the market.  
Fewer line rollers, even fewer towers  
Patented elastic joints (rubber bushings).  
Less vibration.  
Greater durability.  
Reduced energy consumption of the ropeway system.  
7 m/s: maximum operating speed.  
65 mm: maximum rope diameter compatible with the roller battery.

### Gains in operation and maintenance

Inspections directly on the tower during special inspections, without disassembling the roller battery.  
Fewer maintenance operations (greasing, inspections).

Reduced operation and maintenance times and costs.

### Increased availability

Patented systems for the securing and redundancy of axles.  
Almost instantaneous detection of any roller blockage.  
Better rope stability to withstand wind effect.  
Increased safety thanks to rope supervision with the integrated EVO CPS (Cable Position Supervision).  
Less exposure of operators to the risk of falling.  
Less use of vertical evacuation.

## ENVIRONMENT

- ▶ POMA design.  
Optimized line structures.  
Less raw material.
- ▶ Less weight to transport for a complete line, reduced CO<sub>2</sub> emissions.
- ▶ Fewer towers and reduced construction impact on some lines.
- ▶ Reduced energy consumption of the ropeway system.
- ▶ Greater durability, no wear by friction and no greasing of the elastic joints.  
1 ton of grease saved in 70,000 hours for a line with 15 towers.  
Less vibrations.  
Fewer heavy disassembly/reassembly operations.

