



V-Tram Tram Switch Heating

Eco-intelligent tramway heating for reduced energy costs

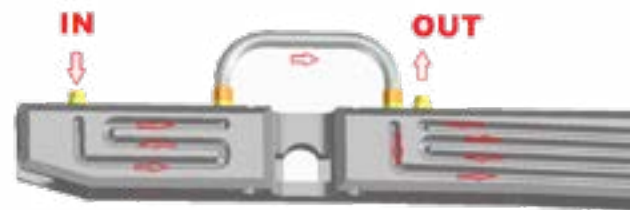
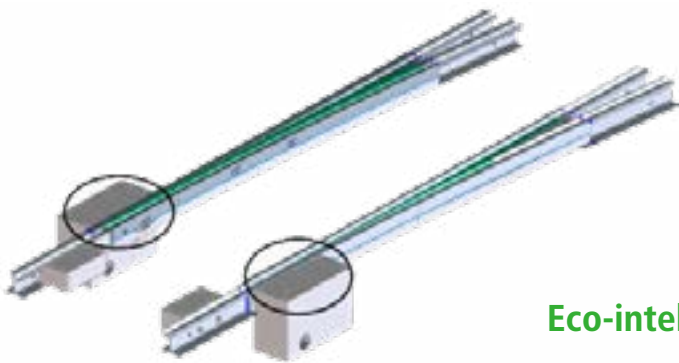
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enabling green mobility

Eco-intelligent tramway heating for reduced energy costs

Tramway networks will enable track availability with this high-performance heating system developed using the heat capacity and the type design of the V-Tram MB-400S.

Adaptable to all sources of renewable energy:

Connection on existing urban heat network or creation of local heat exchanger (aerothermal, geothermal or hydrothermal).



Heating by circulating fluid in the machined grooves of the monobloc.

Eco-intelligent system

- › To enable on-demand heating, additional instruments are installed for measuring rainfall as well as the air and rail temperature.
- › A control system ensures that the heating system is only activated when required by the weather conditions.

For infrastructures, the eco-intelligent heating system means both economic and environmental gains.



85%

reduction in energy costs compared to traditional systems



LCC and energy consumption

- › Over a lifetime of 20 years, the cost of conventional electrical heating systems on turn-outs made up of grooved rails or flat-bottom rails represents 8 to 25% of the LCC.
- › With this eco-intelligent tramway heating, the electricity costs are only 15 to 20 euros per year, which is only 3 to 4% of the energy costs of traditional systems.