

Railway Manufacturer



In this case study, the customer is a Swiss company engaged in the design, manufacture and operation of machines dedicated to the maintenance of railway tracks by grinding systems. They have a site of more than 33,000m², including four maintenance sheds. It was necessary to ensure safety for workers and for the working environment by avoiding dust accumulation and eliminating the presence of sparks during tracks maintenance.

Problems

- Collecting large quantities of dust and sparks on the move
- Reaching high temperatures (60° Celsius)
- Reduced space available for the installation of filtering units
- Short lifecycle of grinding systems

Solution

A custom Pulsatron Compact was specially developed to fit on the train with reduced space, in accordance with the European railway standard EN15085.

Benefits

- 1 Saves time between removing and reinstalling filter units inside the carriages
- 2 Improved both performance and durability of grinding systems
- 3 Reduced maintenance and spring replacement costs
- 4 Built in compliance with European railway regulations

Customised Pulsatron Compact[®] features

- Two filters for each wheel group, 7,000m³/h each
- Customised fans
- Special dust collection unit to be installed in train

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