

Nordic De- & Anti-Icing 15 000 / 30 000

MANTENA – A SATISFIED CUSTOMER

Mantena, a service company to the Norwegian Railways, had major problems with severe ice build-ups. The trains were de-iced indoors in a conventional manner, which took plenty of time and consumed a lot of energy.

In order to significantly enhance winter operations, Mantena invested in the Nordic De- & Anti-Icing systems. Several systems that effectively prevent ice build-ups were placed in strategic locations around the Oslo metropolitan area, which made it logistically possible to carry out regular anti-icing treatment throughout the entire winter season.

Mantena's need for costly and time-consuming de-icing has been dramatically reduced. In case of eventual ice build-ups, Mantena also uses the systems for de-icing.

MANTENA DRAMMEN

Mantena has been using the Nordic De- & Anti-Icing systems in the Norwegian town of Drammen since 2005. To keep the trains running, the service company carries out a preventive treatment with the systems about once a week throughout the winter season.

Tommy Thygesen, technical manager of Mantena Drammen, describes the great advantages with the Nordic De- & Anti-Icing systems:

- In general, ice problems have been decreased by 50 percent.
- The amount of ice on a normal train set has been reduced by 50-60 percent.
- The amount of ice on a heavily iced train has been reduced by 60-70 percent.
- The ice comes off easier: It takes less than half the time.
- The need for de-icing has been sharply reduced: 60 percent fewer trains need to be de-iced.
- Faster de-icing: with anti-icing treatment, eventual de-icing takes less than half the time.



Headache. Before the installation of the Nordic systems. A local train out of service because of ice.



Costly. Before the installation of the Nordic systems. Several tons of ice to de-ice. It will take several hours before the train is back in service.



The solution. The Nordic De- & Anti-Icing systems prevent ice build-ups.



Anti-icing treatment as a final measure before the train goes into traffic.