

North American Rail Heating



Green - Safe - Extreme Heat



OMNI Control Technology Inc. and SAN Electro Heat provide green Electric solutions for rail heating and control that avoids fossil fuels— most notably gas. This green Electric alternative to gas can be regulated to provide extreme heat in extreme weather conditions. This control is performed autonomously thereby addressing the most severe weather conditions while normally being energy conservative.

SAN, a Danish sister company of OMNI, has over 20,000 deployments of Electric switch heating and over 500 deployments of autonomous heating control deployed in Europe. This technology has been recently, (last winter – 2017/2018), introduced to the United States in Massachusetts at the Amtrak Readville interlocking – Readville, MA with great success.

OMNI and SAN have partnered such that this advanced heating technology, that serves Europe's transit systems, will now be available in the United States through a Massachusetts based production company - OMNI. OMNI is the perfect fit to hone this technology for the U.S. market; OMNI knows how to produce quality products under U.S guidelines and support those deployments out of its headquarters in Whitinsville, MA.

Heating Control

- Weather station technology & rail sensors provide up to 70% energy savings over conventional rail heating systems
- Modulated heat allows for energy savings and extreme heat – dual heat when needed for severe weather conditions
- Autonomous weather station & sensor control insures being prepared & never missing any adverse weather event

Switch Heating

- Monel alloy heating elements, with helix design support 10 year warranty – best in industry
- Element design maximizes heat transfer and supports ease of installation and support
- Modulated dual element application provides extreme heat

Amtrak

- Readville, MA - 125 MPH track – 7 turnouts – dual heat
- Swift, NY - 80 MPH track – over 2,500 ft turnouts – dual heat

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NIBE

NIBE Industrier AB
 USD \$2.34B
 Gerteric Lindquist - CEO



NIBE
 CLIMATE SOLUTIONS



Ω NIBE
 ELEMENT
 Chister Fredrickson - CEO



NIBE
 STOVES

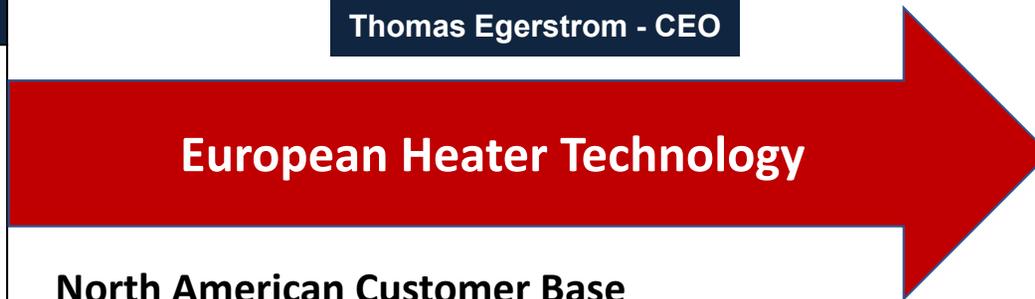


Backer EHP Group
 North America
 Thomas Egerstrom - CEO

Backer Rail Europe





North American Customer Base

- MBTA
- Amtrak – MA
- Amtrak – All
- NJ Transit
- NYCT
- SEPTA
- MD MTA
- PATH
- TriMet
- CTA
- Pittsburgh
- Light Rail
- Freight RRs
- Others ...



Backer Rail North America






NIBE Element Railway Solutions and Rail Heating Technology Transfer