

Metal Production

Project Name: Bell Annealing Furnace

Location: Sandviken, Sweden

Furnace Information

Furnace Type: Ebner Bell Annealing Furnace

Heating Source: Electric Imbedded Resistance Heating

Internal Inert Gas: H₂

Substrate: Stainless Steel

Operating Temp: 825°C (1517°F)

Product Annealed: Stainless Steel Coils ~ 10 tons

Application Information

Emisshield® was applied to the external and internal surfaces of the inner bell unit. No product was applied to the outer bell unit. This application occurred in July 2007.

Emisshield® Benefits

- Increased production 10 - 15%
- Heating Bell 10 – 20% Cooler Depending upon point in heat cycle
- Increased inner bell life 1.5 to 2+ times
- Improved product uniformity
- Inert Gas Savings 1 – 2%
- Reduced System Maintenance



The Bell Annealing
Furnace coated with
Emisshield®