



Speedorange™ Induction Bolt Heating Case Study



Company Overview

Speedorange™ Inc. was founded with one goal in mind: offer the best bolt heating service available worldwide. We listened to the voice of the industry and engineered a compact, self-contained, bolt heating service that would reduce turbine outage time.

The Challenge

The second largest press in the world (65,000 ton press) need to work on 4 M400 studs. The customer had applied electrical resistance bolt heating for over 24 hours. Unfortunately this had no effect on such a large stud due to its massive size.

The Solution

Speedorange™ engineers understood the dynamics involved with such an application. They developed the largest bolt heating inductor rod currently available especially for this application. They sent one Speedorange™ machine, one technician and the custom-designed inductor.

The Results

The Speedorange™ team worked on the 4 bolts using the specially designed inductor. Speedorange™ needed just 1 hour per nut, 4 hours total to heat up the bolts to desired temperature.