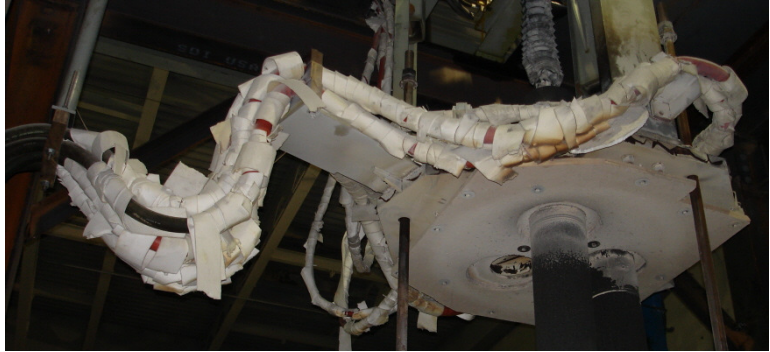


## **High Temperature Protection for Electric Arc Furnace Power Cables**

### **The Challenge:**

Sensitive rubber insulated power cables provide flexible energy to the electric arc furnace at a steel refinery plant. These cables are vulnerable to degradation due to exposure to extreme infrared



radiant heat and occasional flame impingement. Historically the company has installed high temperature ceramic tape to protect these lines. However, due to the dynamic nature of this application the ceramic tape quickly breaks down and loses coverage (see photo above) and the lines are once again vulnerable to extreme temperatures.

### **The Worbo Solution:**

Using Worbo's Eko-therm™ technology a custom sleeve system was developed to protect the rubber cables from the infrared radiant heat source and occasional flame exposure. High temperature velcro was incorporated into the design to allow for easy installation or removal of the cable protection.

