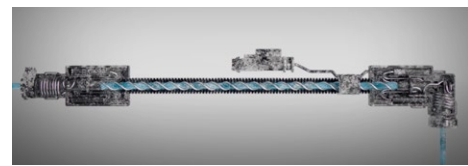
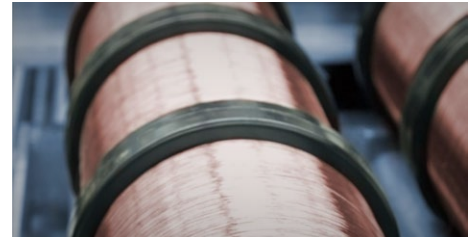




CUSTOMER STORIES

HELPING TO HEAT UREA SOLUTIONS FOR RELIABLE CATALYTIC REDUCTION AND SUSTAINABLE ENVIRONMENTAL ADVANTAGES



Stranded-wire solutions from Isabellenhütte allow OEMs to leverage the performance characteristics of multiple formats and alloys for optimal solutions

CHALLENGE

Urea-based diesel exhaust fluid solutions (such as AdBlue®) allow today's vehicles to comply with tighter environmental regulations around the world. But these solutions freeze at -11°C/-12°F and require heating within the tanks, pipes, and nozzles where they are used. A variety of stranded-wire solutions is necessary to meet the different configurations used by the tiered suppliers of these components to the automotive market.

SOLUTION

Isabellenhütte provides stranded heating wire in a variety of formats and alloys such as ISOTAN and A-COPPER 2.5 to allow OEMs to engineer high-performance components to support Selective Catalytic Reduction (SCR) technology. For certain applications we will create "mixed strand" solutions, stranding together wires of various alloys to achieve very specific ohmic resistances and help our customers to create standardizable solutions. Also, by providing more options for OEMs, we help them achieve their aim of reducing the harmful gases being released into the atmosphere.

APPLICATION

Heating cables for tanks, pipes, and nozzles for SCR systems that manage diesel exhaust fluids