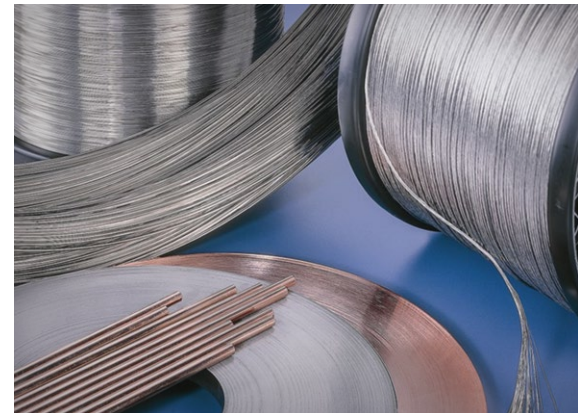




CUSTOMER STORIES

HOW ELECTRIC ANTI-ICING METHODS ARE MEETING TODAY'S CHALLENGES FOR COMMERCIAL AND DEFENSE AIRCRAFT



Replacing bleed-air designs with electric approaches demands alloys that provide uncompromising performance in extreme environments

CHALLENGE

Suppliers to the world's largest aviation programs are always looking for ways to improve performance and reliability of their solutions—while reducing the total system weight. Traditional bleed air systems for wing de-icing can be heavy, and fuel inefficient.

SOLUTION

To support new electric de-icing technologies for large commercial (e.g. Boeing 787) and various defense jet programs, OEMs turned to Isabellenhütte for proven precision alloys. Isabellin® and Centanin® wires (and others) are now used in creating composite designs with integrated heating structures.

APPLICATION

Commercial aircraft wing anti-icing structures, Defense aircraft anti-icing systems, Wind turbine anti-icing systems, helicopter rotor blades.