



## CUSTOMER STORIES

### SUPPORTING THOUSANDS OF STRAIN GAUGE SOLUTIONS FOR PRECISION-WEIGHING APPLICATIONS



**Our wires and foils are inside the world's leading precision-weighing solutions and our printed formats are ready to support next-gen strain gauge applications**

#### CHALLENGE

*Strain gauges are used by OEMs in a variety of formats to precisely calculate the weight of stationary and moving vehicles. Smaller gauges can be used in applications such as fatigue testing, checking for structural durability, and other situations where precise weights must be determined. Accuracy and repeatability are indispensable for maintaining exacting standards in these mission-critical products.*

#### SOLUTION

To achieve tolerances down to  $\pm 1.5\%$  strain range, Isabellenhütte provides product solutions like our ISOTAN wire (18  $\mu\text{m}$ ) that offers exceptional TCR. For other designs, a thin foil made with our Manganin allows for a flexible and unobtrusive device. As strain gauge OEMs pursue even smaller designs, Isabellenhütte is partnering with them to leverage our latest alloy formats (such as pastes) to support printable structures.

#### APPLICATION

Precision weighing devices, strain gauges and sensors, stress-measurement products