

A team of researchers from BAM is using the ILL instrument SALSA to study the behaviour of additively manufactured (AM) stainless steels at cryogenic temperatures.

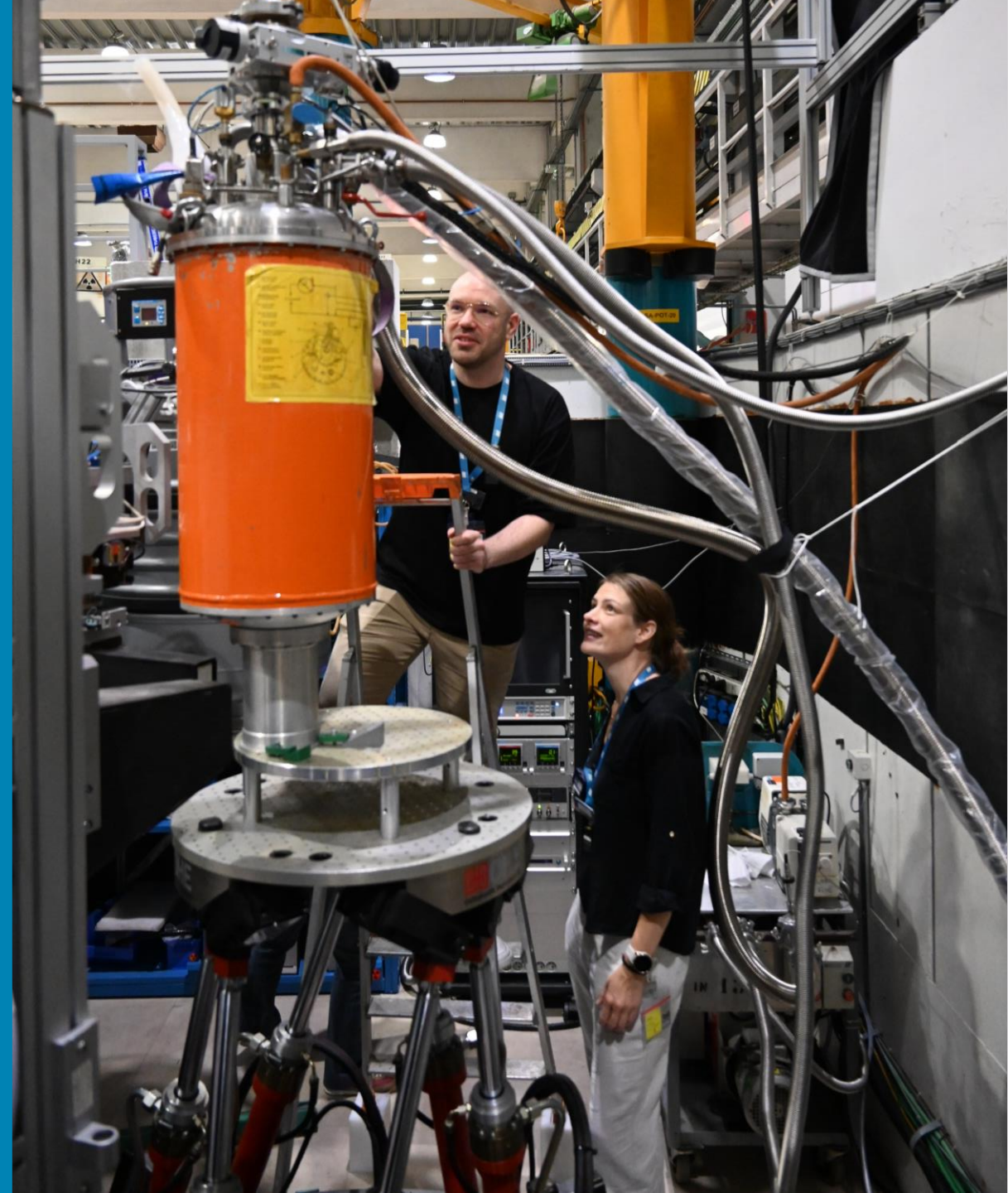




Cryogenic cycling tests aim to emulate similar conditions to those found in hydrogen systems. The researchers worked with the SALSA team to install a cryostat on the instrument for the first time.

Samples AM 316L were examined from room temperature down to 2 K.

The aim is to gain knowledge for the application of AM 316L under cryogenic environments.



As additive manufacturing becomes an increasingly relevant technology in industry applications, the researchers from BAM (LoTempAM and NDT) will continue research in this topic.

