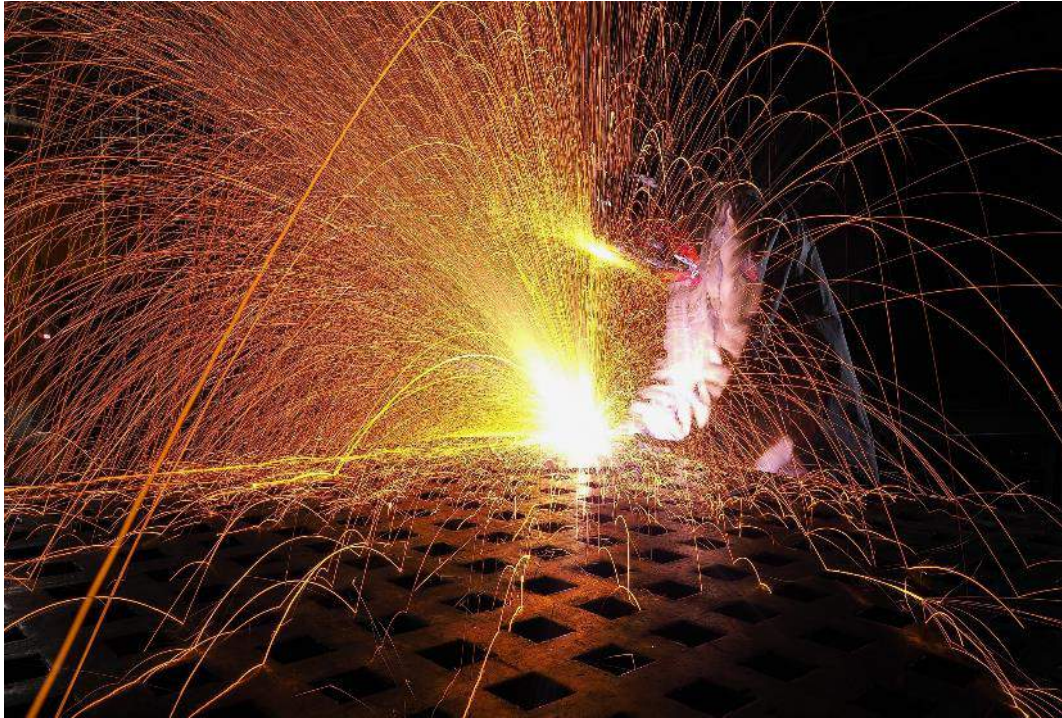


New Welding Techniques for the Nuclear Industry



“This was a challenging experiment as we were working close to the operational limit of Engin-X. However the results were in good agreement with earlier measurements and validated the advanced weld prediction model developed by AREVA. We are confident that the knowledge we’ve gained will support implementation of this new welding process.” *Prof John Bouchard, The Open University.*



Challenges

AREVA has developed new welding procedures for dissimilar metal joints in nuclear reactors, but before deploying them, high levels of qualification and validation must be met.



How can I-SEC help?

By providing reliable residual stress measurement data for complex dissimilar metal welds in order to validate advanced simulation models.



Benefits

Implementation of new welding procedures for the EPR having high resistance to stress corrosion cracking (a historical safety issue for dissimilar metal welds)