

## Welding Consulting

### Weldability, Selection of Welding Consumables, Procedure Qualifications

Our expertise helps you in valuing the life cycle of your components and plants.

#### Challenge

Your weld design is confronting you with questions regarding general weldability, selection of appropriate filler metals and procedure qualification in compliance with codes and standards? Can you use your weldment despite known imperfections?

#### Solution

According to your requirements we provide extensive welding consulting services that covers:

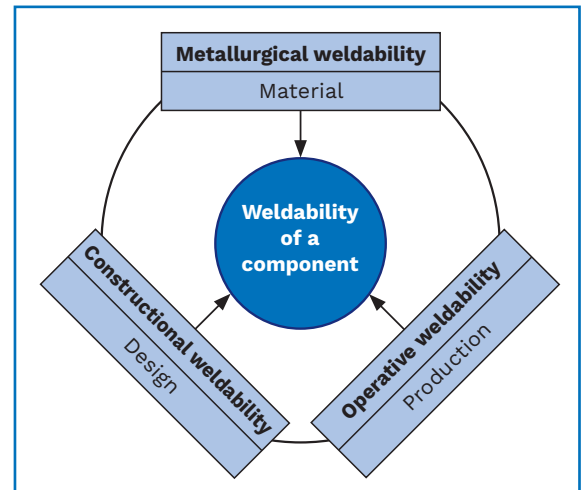
- Design evaluation regarding weldability and feasibility
- Definition of the required weld quality (e.g. EN ISO 5817)
- If necessary, we define all kinds of post-weld treatments, e.g. machining and/or stress relief heat treatment.

Rely on us to support you with the preparation of Welding Procedure Specifications (WPS) and their qualification in compliance with national and international regulations such as EN ISO 15614-1 or ASME Section IX. The corresponding non-destructive and destructive testing procedures can be performed in our laboratories.

We establish the non-conformance report for your intended application and define corrective actions as part of a comprehensive repair concept.

#### Customer benefits

- Extensive experience in the field of welding technology
- Short reaction times even for complex tasks
- Readily available laboratory infrastructure in associated disciplines like chemistry, radiochemistry, chemical analysis, component testing and component qualification
- IIW certificated (International Institute of Welding) welding engineers



#### Technical information

Our scope:

- Selection of welding process and welding consumables
- Welding process optimization
- Establishment of WPS
- Welding procedure qualifications
- Evaluation of weld imperfections
- Fitness-for-purpose evaluation
- Evaluation of weld designs
- Preparation of follow-up documents
- Heat treatment.

**Contact:** [materials@framatome.com](mailto:materials@framatome.com)  
[www.framatome.com](http://www.framatome.com)

It is prohibited to reproduce the present publication in its entirety or partially in whatever form without prior written consent. Legal action may be taken against any infringer and/or any person breaching the aforementioned prohibitions.

Subject to change without notice, errors excepted. Illustrations may differ from the original. The statements and information contained in this publication are for advertising purposes only and do not constitute an offer of contract. They shall neither be construed as a guarantee of quality or durability, nor as warranties of merchantability or fitness for a particular purpose. These statements, even if they are future-orientated, are based on information that was available to us at the date of publication. Only the terms of individual contracts shall be authoritative for type, scope and characteristics of our products and services.

**Your performance**  
**is our everyday commitment**