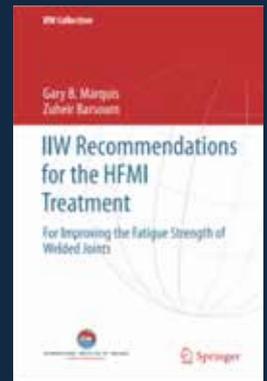




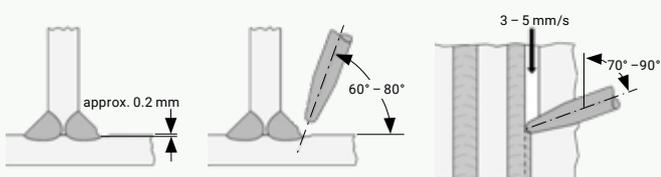
HFMI Treatment

HFMI (High Frequency Mechanical Impact) treatment is a peen process that considerably increases the operational stability and service life of dynamically loaded welded steel constructions.

- 80 % – 100 % increase in weld fatigue limit
- 5 to 15 fold increase in weld service life
- Effective even on existing construction – you can go back and do weld upgrades
- IIW guideline for HFMI treatment
- Improved fatigue strength of welds is ideal for advanced high strength steels
- Extremely user-friendly
- Process reliability



HANDLING & INSPECTION



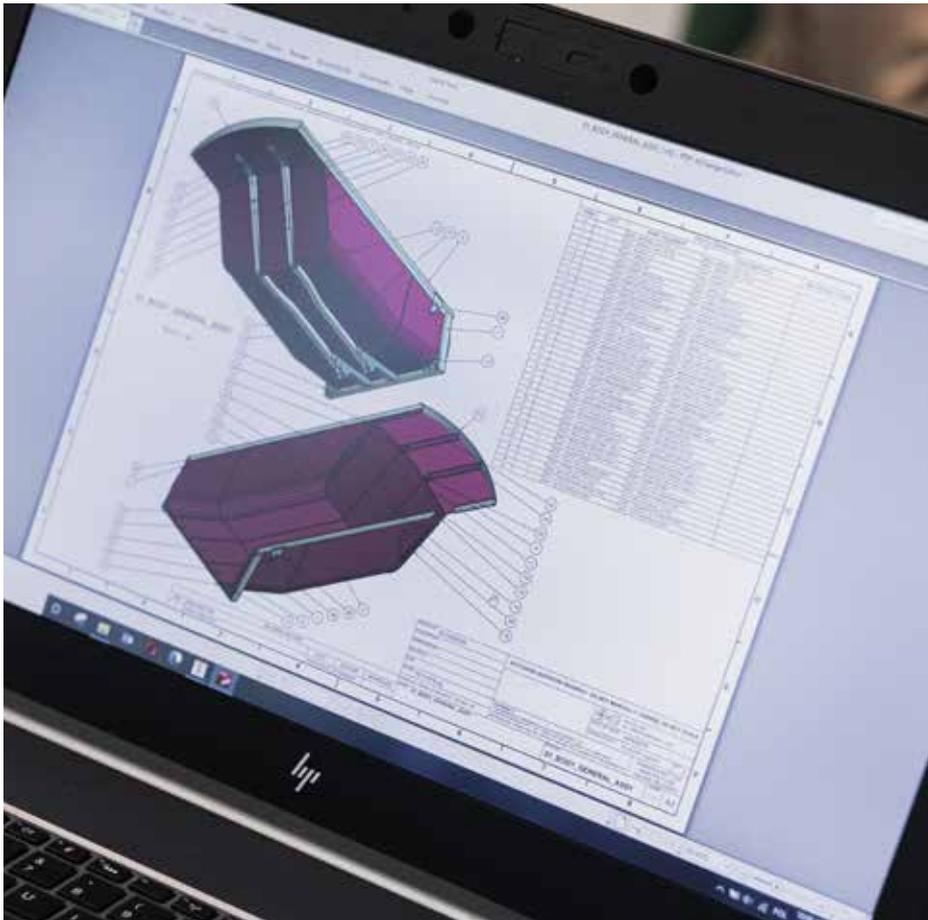
OUR OFFER

- Free demonstration upon request
- Identify hot spots: FEM simulation to evaluate critical stresses in welded areas
- Evaluation of the weld joint's shape
- WPS ISO 3834 of the modified welds
- HFMI training: theory and practice

Speed up your innovation and product development

SSAB Services now offers a Product Development and Engineering team, with market-leading innovation and engineering support throughout the entire product development cycle.

We offer a full range of product development support, including conceptual and functional design, extensive CAD and FEM design development, physical prototyping, manufacturing drawings and serial production of steel components.



EXAMPLES OF STATE-OF-THE-ART TECHNOLOGIES:

- Design for advanced roll forming
- Fatigue life analysis combined with HFMI post welding treatment
- DEM wear and load simulations
- Full manufacturing drawing documentation
- Double die bending
- Fastening systems – alternatives to welding
- FEM simulations for product development and verification of functional design and fatigue life analysis
- 3D laser scanning of components and customization of SSAB product designs

You are welcome to contact us at engineering@ssab.com

Phone: +46 8 45 45 700
engineering@ssab.com

Read more about SSAB Services offers at

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