

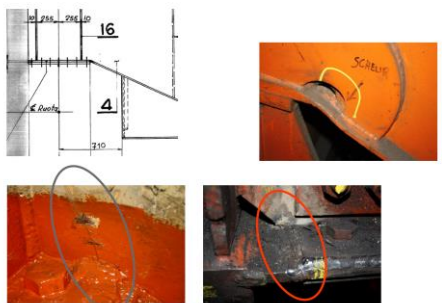


2012:
 Based on around 8,000 cracks detected in the area of the crane systems, ArcelorMittal Gent and the Belgian welding institute BIL were looking for an effective method for sustainable repair or for preventing fatigue cracks. Through an R&D project in their own OCAS institute, they recognized PIT as the most promising solution.

2014:
 ArcelorMittel trained them employees and introduced PIT. From this time, crack-free hot spots were treated preventively, as well as repair welds were PIT treated.

2019:
 The number of cracks currently detected is only around 700. That is a reduction of > 90%.

Examples of fatigue in cranes



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