



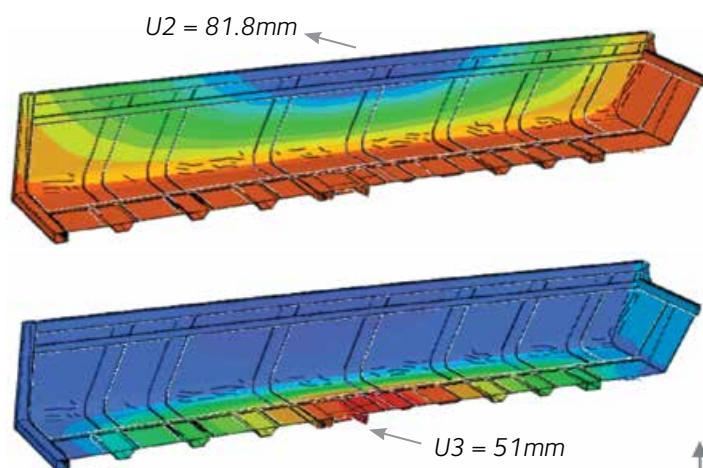
ArcelorMittal

High strength steel solutions for agricultural dump trailers

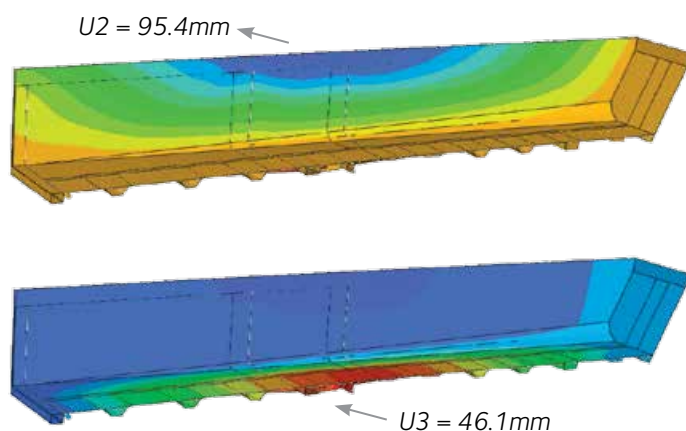
- ArcelorMittal R&D developed an innovative steel solution for agricultural dump trailers.
- Major highlights of this solution:
 - 20 percent weight reduction
 - 8 percent cost reduction
 - Welds reduced by 80m
 - Improved design for easier emptying of trailer
 - Improved fatigue resistance for longer lifespan
- This was possible with the use of Armstrong® grades produced by ArcelorMittal.
- Full loaded lifting operation, which is the most severe load case, was evaluated in the analysis.



Baseline



Proposed solution



- The proposed design solution was validated via computer simulation.



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