

> DEFORM DEVELOPS COLLABORATION WITH OUTOKUMPU

Deform, Outokumpu and PSC Nordic work together to make, bend and weld plates into complete modules that, in shipyards worldwide, are used in the building of large marine tankers. These vessels transport everything from fruit juices to corrosive acids.

Deform uses a submerged arc welding (SAW) tractor to weld straight joints in plates that then go to the press brakes. The plates are duplex stainless steel and are of different thicknesses and dimensions. Partly automatically and partly manually, Deform also welds certain profiles after they have been to the press brakes.

To lower total costs and increase added value for the end customer, development is continuous. Examples of this are the use of LDX 2001 (1.4162) in shipbuilding and the purchase of ground plates by some customers.

Already several years old, the head-lined collaboration is becoming ever more developed. For example, Deform is now hot forming single-piece suction wells.

Located at the very bottom of ships, suction wells are subject to the highest pressure and were previously made as welded structures. The benefits of losing the welded joints at the lowest point of the tanks are immense. Quite simply, this solution is cheaper, better and safer. It is thus advantageous both for us and the end customer!



▲ Chemical tanker under construction.

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Hans Gunnarsson (Outokumpu) and
Lars Anders Sjöberg (Outokumpu).
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◀ TIG tacking
before SAW.

Suction well pressed
as a single piece.
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