

Aciers inoxydables duplex pour utilisation à basse température : enjeux et comparaison des technologies conventionnelles et PM HIP

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The paper will present an overview of TOTAL E&P as an end user on the use of the Duplex Stainless Steels hipped components on Deep offshore subsea Projects.

The paper will detailed the main reasons on the use of hipped components to be selected. Among these reasons, some are listed here below:

- Good resistance to HISC
- Capability to manufacture Complex shapes of components
- Project execution associated with local content activities
- Low temperature challenges
- Good weldability

The paper will also present some typical products which have been manufactured and incorporated in Subsea Production systems and will highlight some challenges in regard with the future.