



Discover the latest automotive innovation from ArcelorMittal Europe – Flat Products and ArcelorMittal Europe – Tubular Products

A next generation automotive tubular component manufactured from the very latest development in high strength steel (CR700Y980T-DH) is setting new standards in automotive engineering.

Smartube Auto

Advanced automotive tubular lightweight steel solutions

Properties of steel grade CR700Y980T-DH

Yield Strength (YS)	Ultimate Tensile Strength (UTS)	Elongation (A)
700–850 MPa	980–1130 MPa	≥ 13 %

To find out more about the detailed properties of this steel grade, please visit the DP980 DH online product catalogue data sheet: <https://automotive.arcelormittal.com/DH> or scan this QR code with your smartphone:



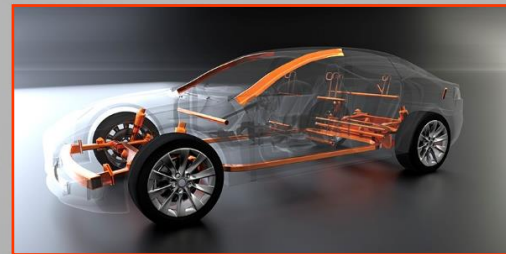
How was this new tubular steel product developed?

Through an extensive trial program, a 45x37 tube with a wall thickness of 1.8 mm has been produced, showcasing impressive mechanical properties:

45x37x1.8 tube in CR700Y980T-DH

Yield Strength	Ultimate Tensile Strength	Elongation (A)
901 MPa	1018 MPa	19%

In the second phase of development, an automotive component prototype has been custom-built from this tube.



What are the potential benefits of this product?

Compared to the original component produced in 2 mm wall thickness in CR440Y780T-DP material, the new component offers the same performance while achieving a remarkable 10% weight saving, contributing to more efficiency, less emissions and improved overall performance.



Unlock the potential of your automotive solutions!

Do you want to find out more about the details of this case study or how this innovation can boost your own products?

Contact us at autotube@arcelormittal.com
<https://tubular.arcelormittal.com/business-units/automotive>