**A-Arms conception and manufacturing**



***Objectives***

* **Reliability** 
  + Maximal load case : 6250 N
* **Weight**
  + Target of 2 kg
* **Cost**
  + Ratio of comparison of weight saving < 1 euros by grams

***Conception and manufacturing steps***

* [**Comparisons**](https://www.linguee.fr/anglais-francais/traduction/requirements+analysis.html) **of different solutions**: Comparison of a steel solution, an aluminium solution and an hybrid solution (aluminium + carbon tubes).
* **Validation of the process**: tensile strength.
* **Verification of the A-arms**: tensile test after integration.

[***Comparisons***](https://www.linguee.fr/anglais-francais/traduction/requirements+analysis.html) ***of the 3 designs***