

FROM RESEARCH TO INDUSTRY



Madmax Meeting CEA Status report

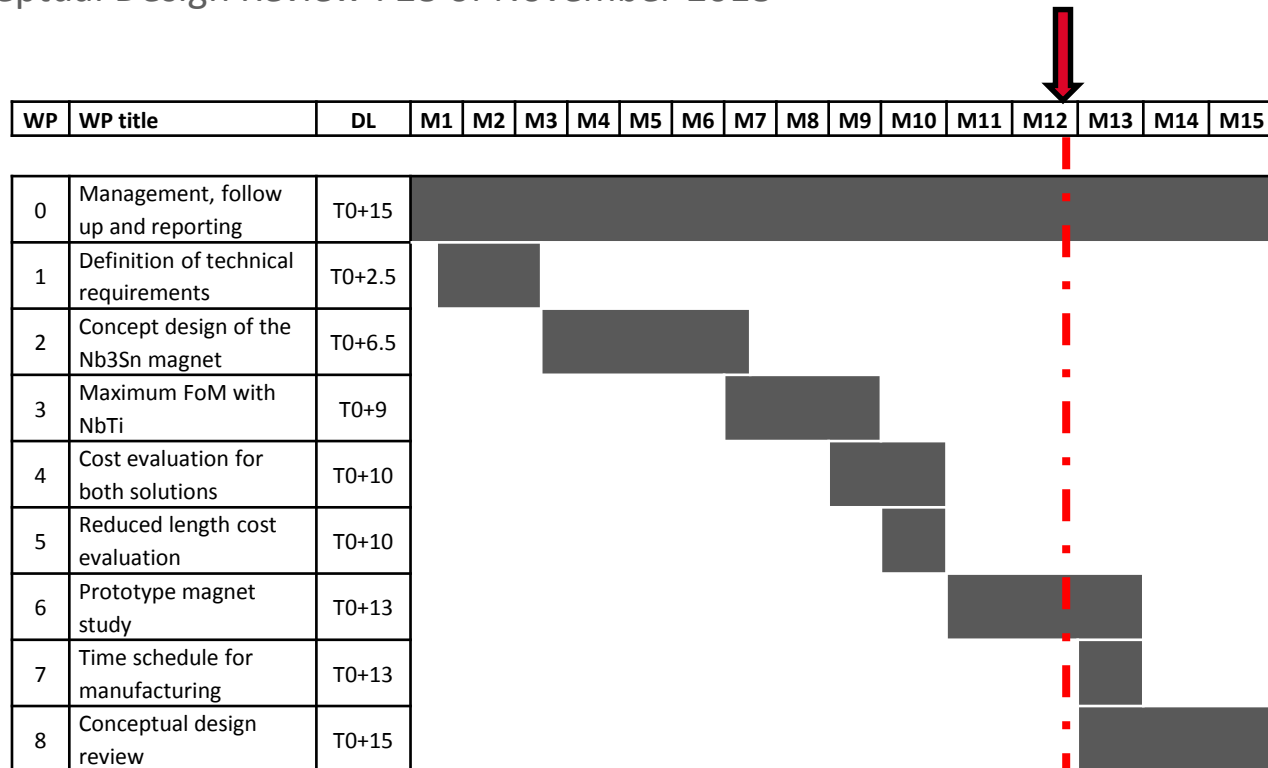
W. Abdel Maksoud

*C. Berriaud, V. Calvelli, G. Dilasser, F-P. Juster,
F. Nunio, C. Pes, J.M. Rifflet, L. Scola, L. Vieillard*

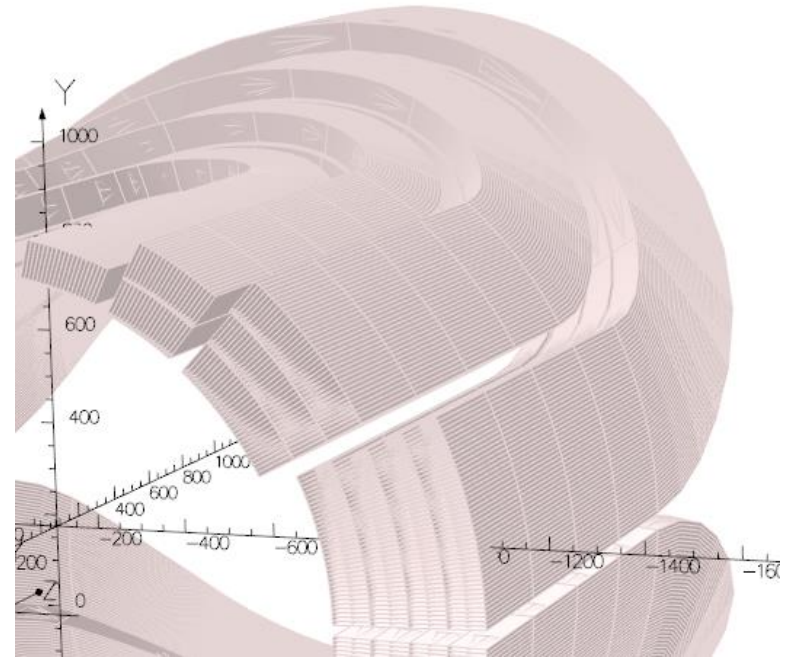
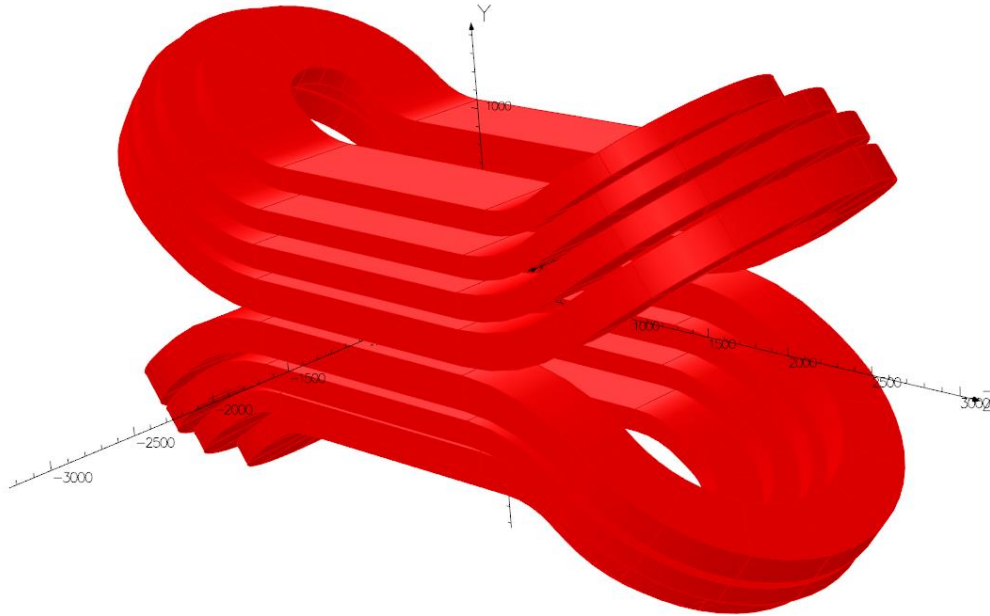


WP0: Management & follow up

- Reminder:
 - Transform WP2 in: Concept design of a **NbTi BLOCK dipole**
 - Transform WP3 in: Concept design of a **NbTi COS THETA dipole**
- Next steps important dates :
 - Project / DACM / Irfu Direction meeting : 19 of October 2018 (initially 24/09)
 - Internal technical review : 8 of November 2018
 - Final Conceptual Design Review : 28 of November 2018



Conceptual Designs



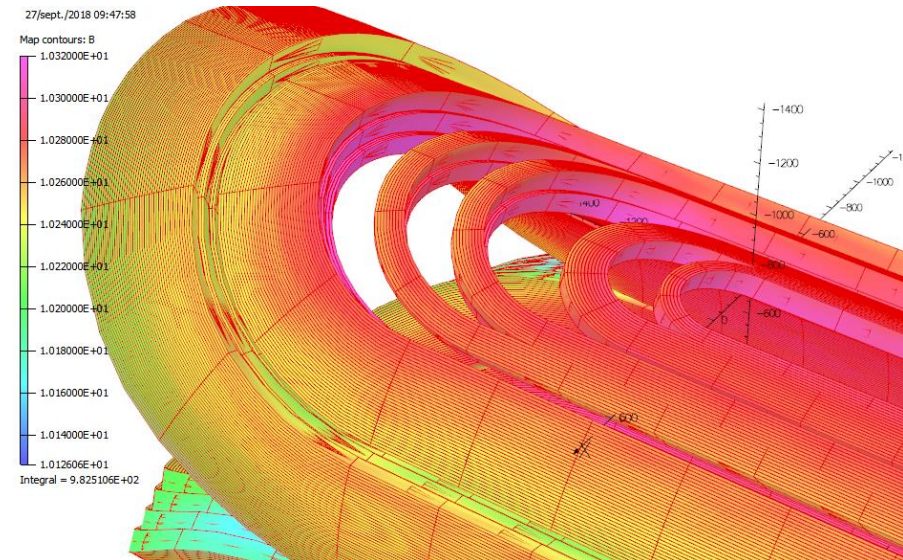
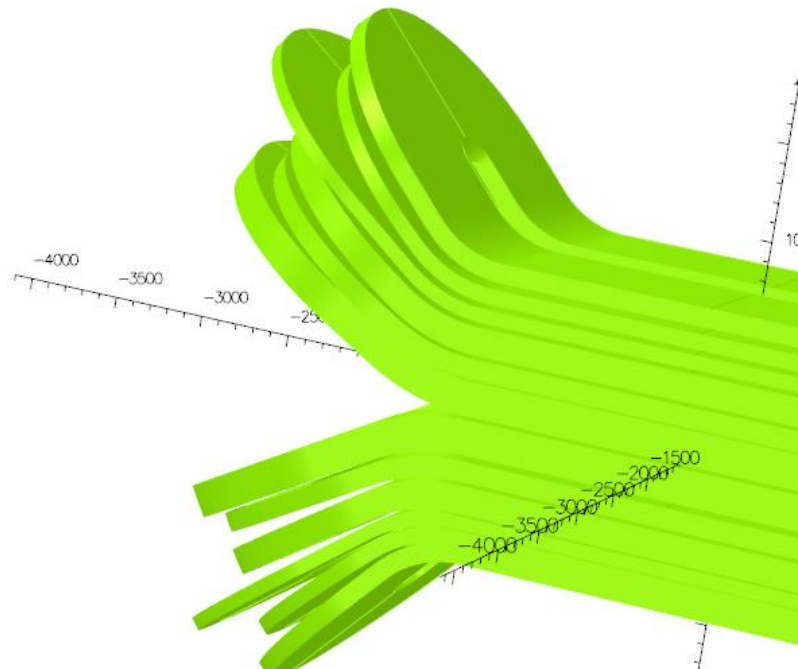
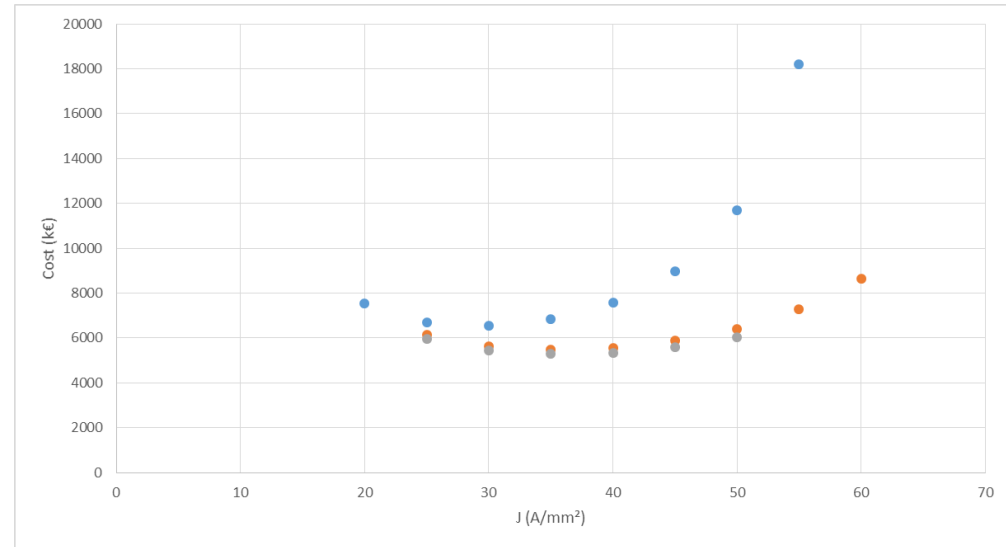
→ *Conceptual Feasibility demonstrated for both designs*

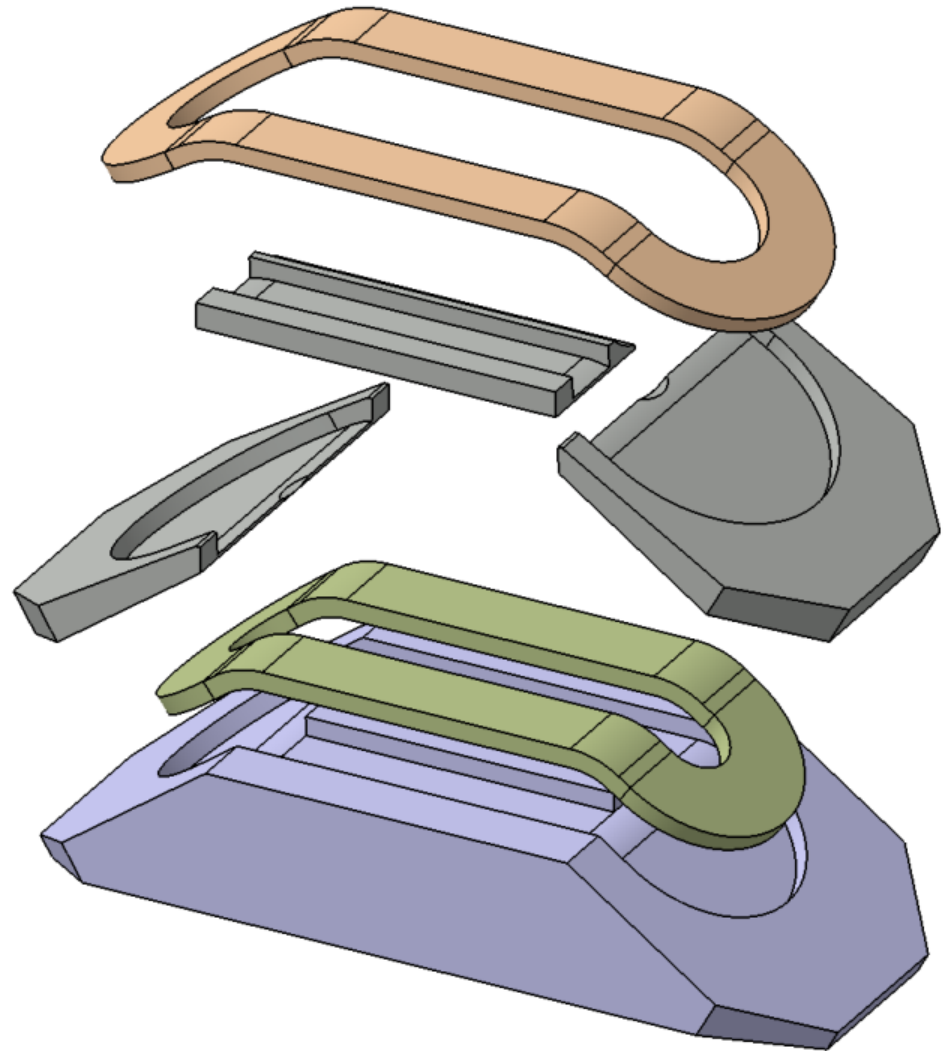
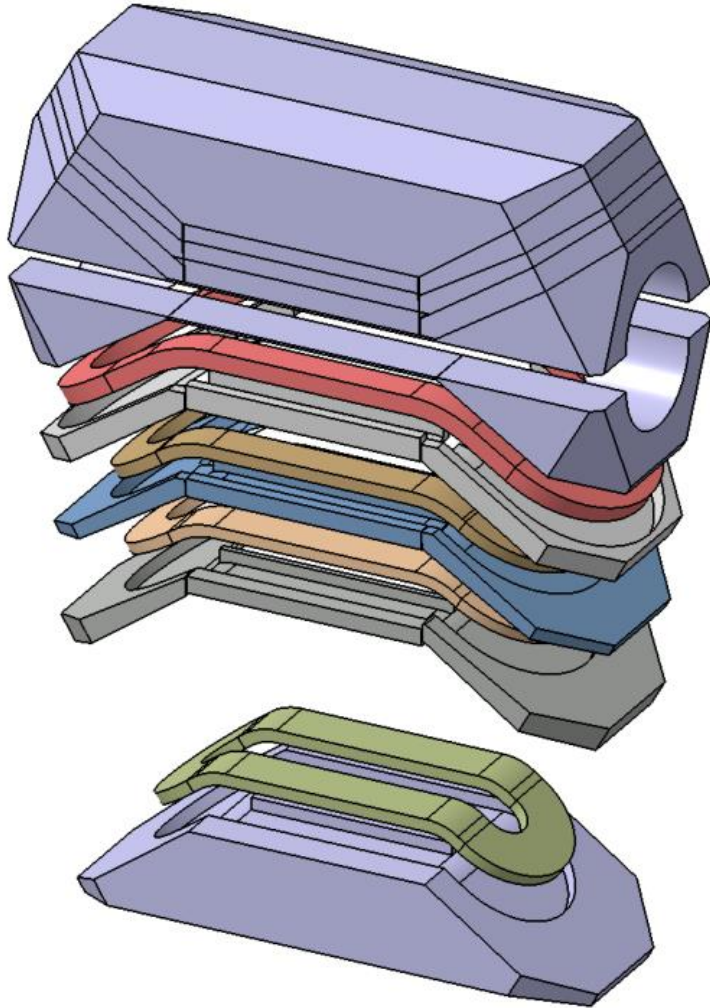
→ *Both designs fit with MPI specification*

→ Study finalization for the CDR

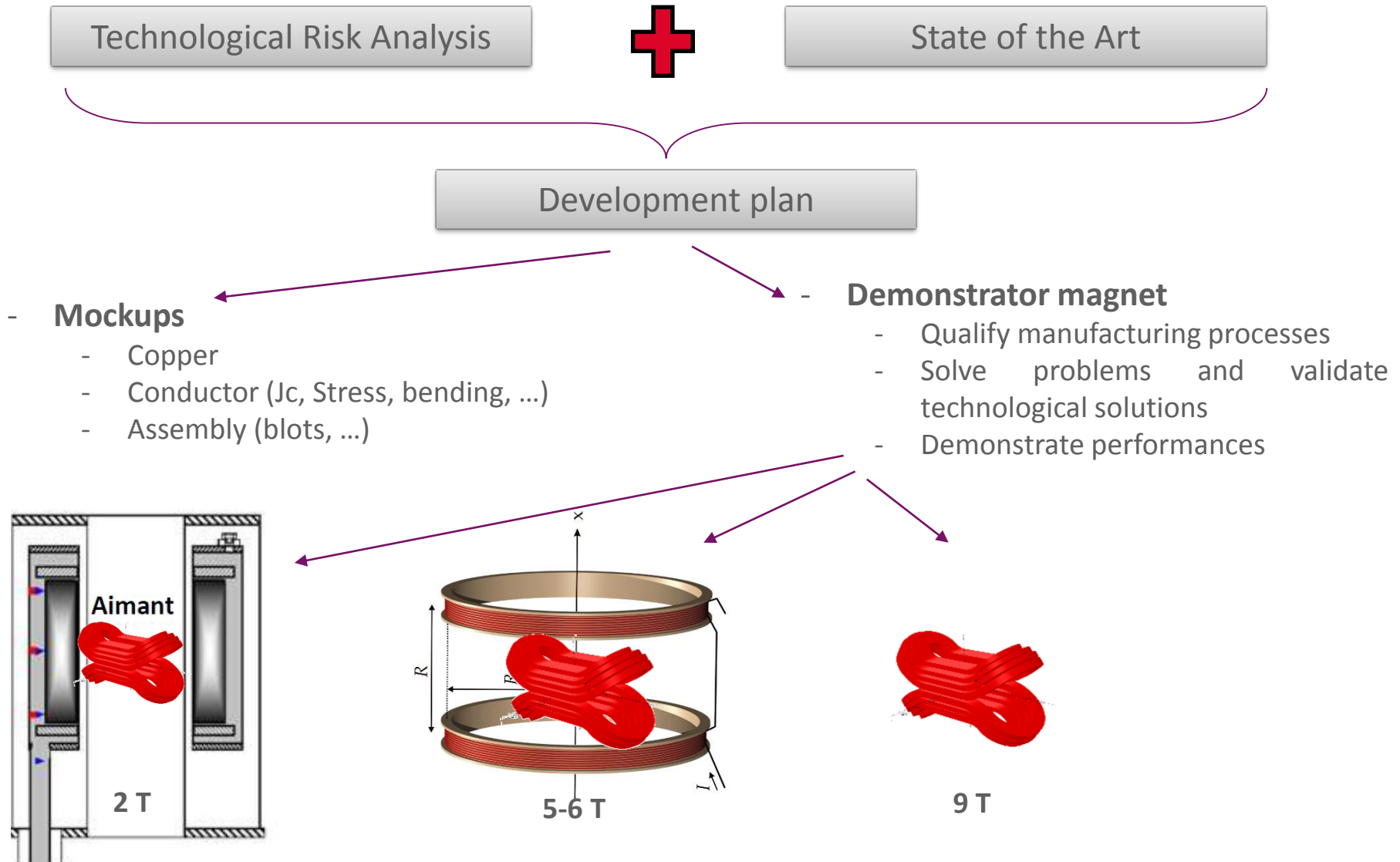
Optimization phase

- Design and cost impact of :
 - Number of block / sectors
 - Current density
 - Ends geometry optimization
 - FoM decrease
 - Magnet length specification

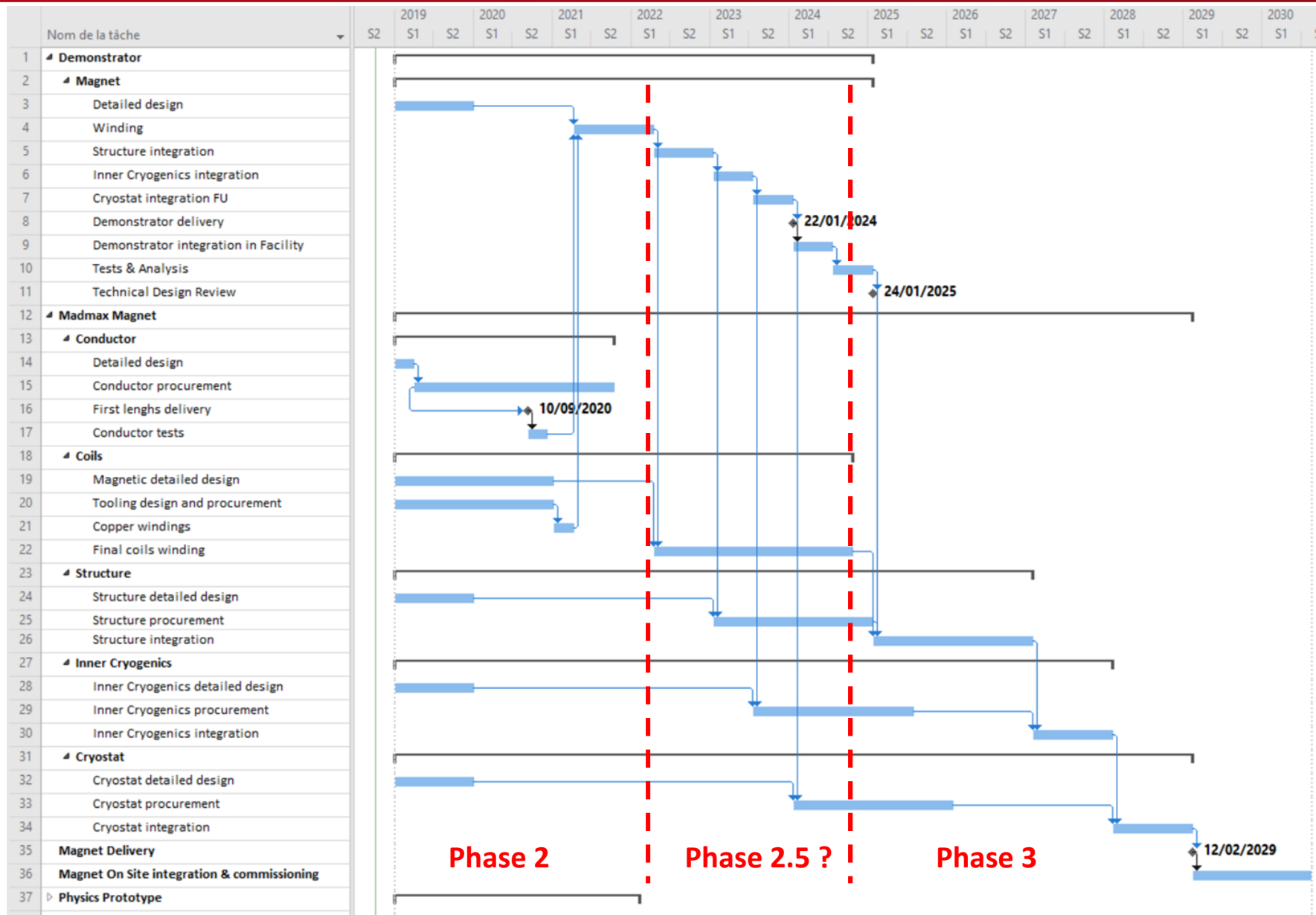




Prototype(s) & development plan



Planning optimization VS development strategy



Thank you for your attention

