

# Task 5.7: Magnet Engineering Design

Title : **Develop magnet engineering design**

Participants : **CEA - CERN**

Deliverable: **D-5.4**

**«Manufacturing folder for reference design short model»**

**deadline M46**

Milestone : **no associated milestones**

## *Description*

- Develop the engineering design of the magnet.
- Perform the detailed study of the model magnet design.
- Consolidate all design work into a manufacturing folder for a dipole model ~ 1.5 m long.
- The folder includes specifications, assembly procedures and drawings for the model magnet excluding tooling, as well as calculation files with design and analysis notes.

## *Program*

- CERN will create the repository for all calculation files and for all drawings.
- CEA will deliver draft assembly procedures.
- CEA and CERN will work jointly on drawings using compatible CAD systems  
 CAD system at CEA : CATIA V5 R23 (to present date, subject to change)  
 CAD system at CERN : CATIA V5 R23 (to present date, subject to change)

## Schedule

