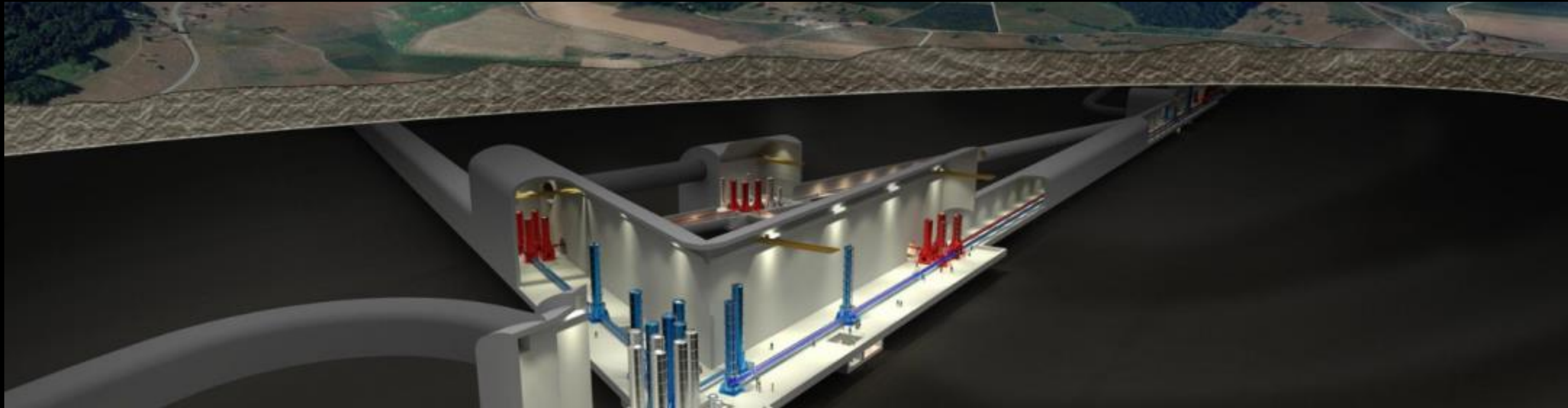
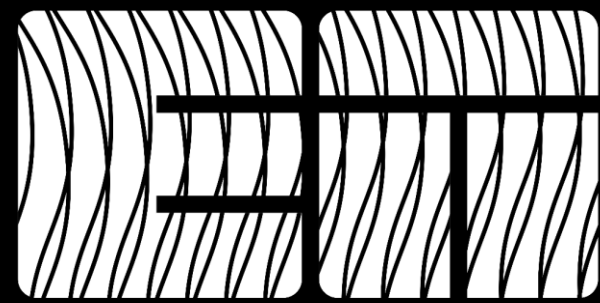


WP5 Progress Status



ET-PP MEETING. Thursday December 19th



**EINSTEIN
TELESCOPE**

PROJECT OFFICE

- a) 1) Waiting for the officer feedback on the proposed document for the definition of the project office structure and mandate and Functionalities required from the tools in support of the project management. (Received yesterday)
After the feedback we will implement the required modifications**
- b) Working on the next deliverable (functional project office). This has to be evaluated .
We are in touch with M.Martinez to assess the contents of this document and the correct timeline**
- c) Project office is functional? List of activities in the next slides:**

PROJECT OFFICE

ETO Management, General activities and news:

- a) Working on the roadmap, implementing the documents in the WBS**
- b) Supporting the task force**
- c) Organizing the Suspensions PBS reviews**
- d) Finalizing the review and creating the PBS baseline 1.0**

2) Scope management

- a) New version of PBS and WBS. Change process to be implemented for the new version of PBS**
- a) Participation in the Vacuum TDR review**

3) Configuration & IT

- a) Discussing a Configuration strategy for IT**
- b) Creating bridges to EDMS**
- c) Finalizing the acquisition of JAMA for requirements management**
- d) Kick off meeting with Aachen for the MBSE test on selected systems**

PROJECT OFFICE

4) Risks management

- a) Progressing with the technical risks definition and interviews**
- b) Supporting the risk analysis for the task force**

5) Quality management

- a) Elaborating a methodology for nomenclature in different context**
- b) Change process waiting for a validation procedure**

6) Scheduling management

- a) Proposed training session to ten managers of the collaboration to validate the methodology.**
- b) Full information on the wiki**
- c) Training videos realised**

7) Costing

- a) Activity pending due to the CERN refusal to sign the contract on this activity**

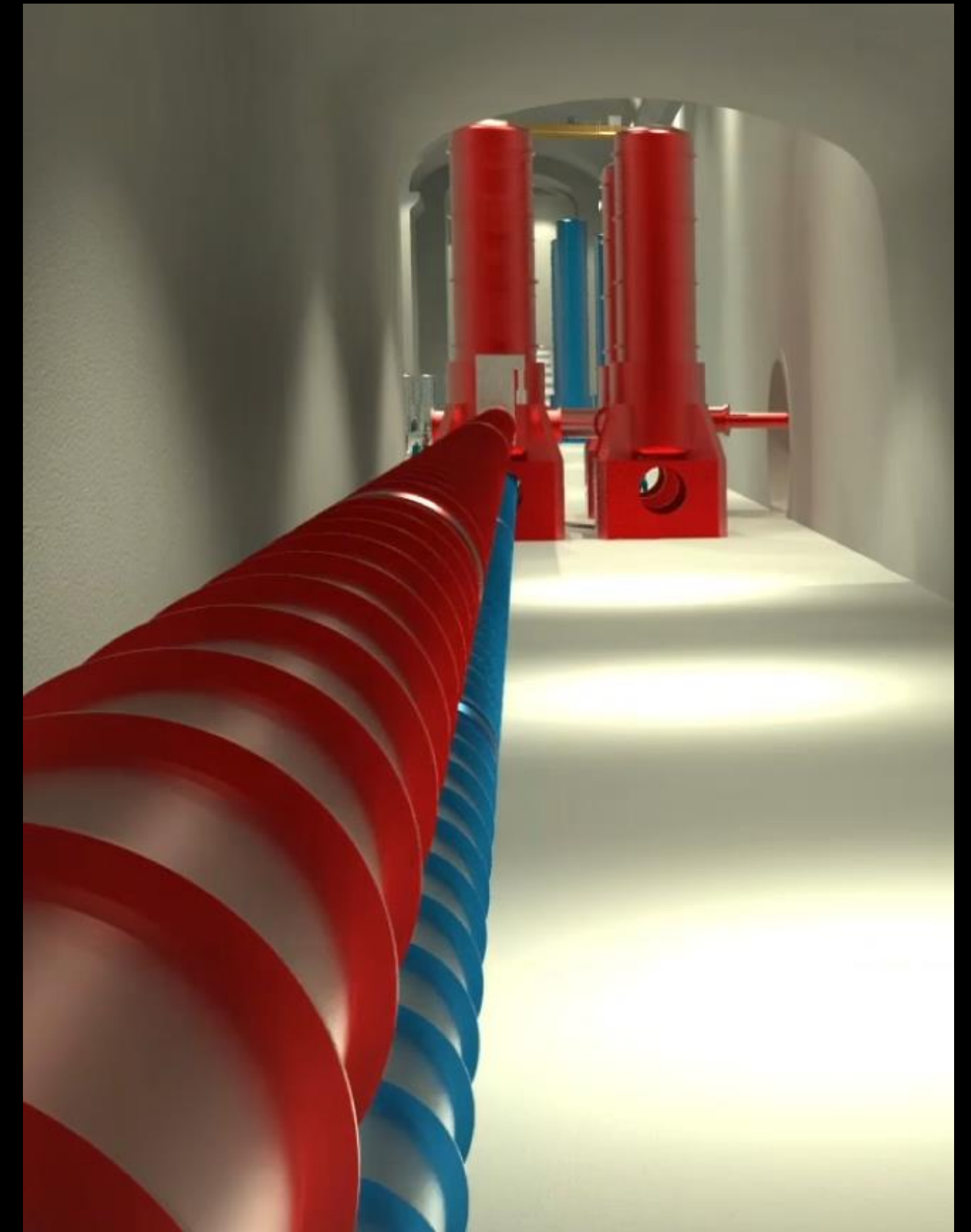
Engineering Department: Mandate

The Engineering Department will design, procure, install, commission, operate, maintain and eventually, dismantle:

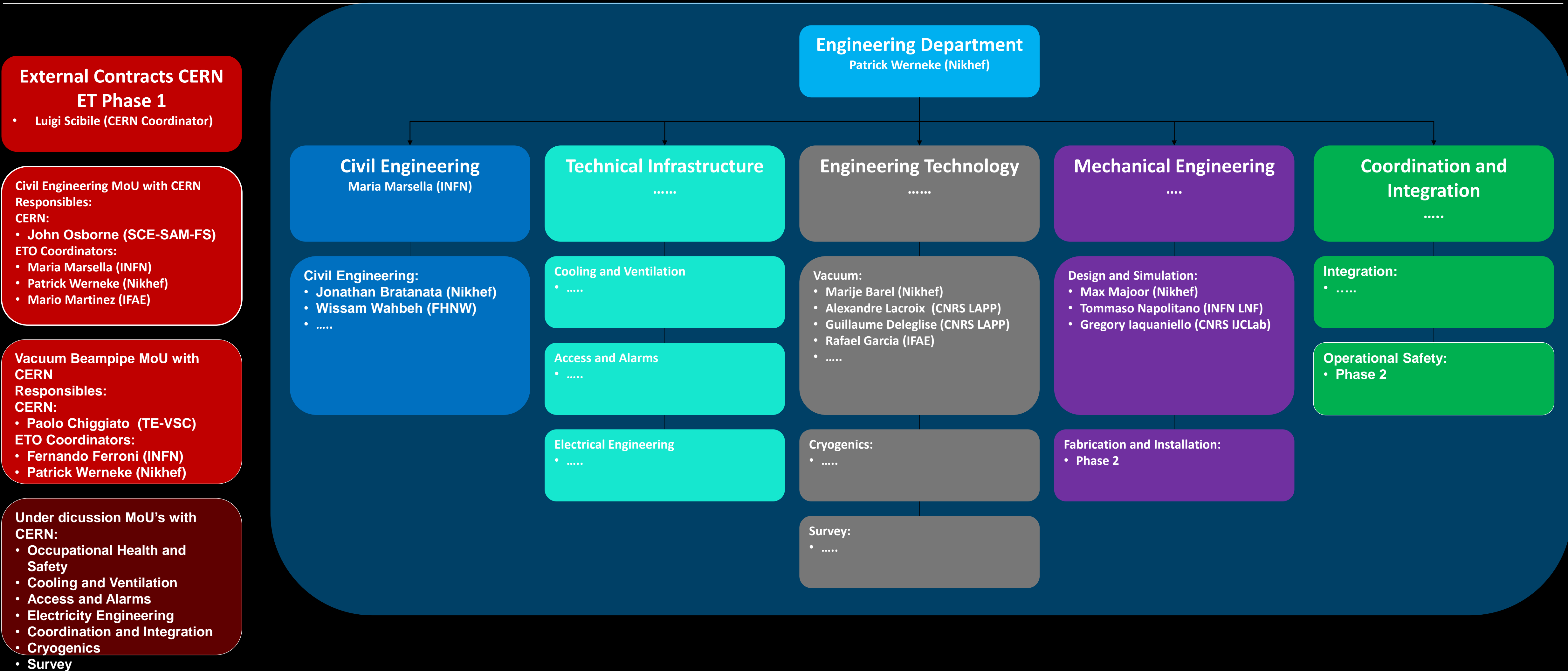
1. The special systems (e.g. vacuum, cryogenics and survey) associated with the gravitational wave detector

and

2. The technical infrastructure systems needed to operate the interferometer (e.g. civil engineering, technical Infrastructures (power distribution, cooling & ventilation, ...))



Engineering Department



Engineering Department – Personnel

New colleagues in 2024:

- **Jonathan Bratanata – Nikhef – civil engineering**
 - **Tommaso Napolitano – LNF – mechanical engineer**
 - **Gregory Iaquaniello (CNRS IJCLab) – mechanical engineer**
- **Missing is still the Integration and Technical Infrastructures engineer, but will hopefully be solved soon with the help of Tommaso.**

| Position | CNRS | INFN | NIKHEF | Others (IFAE, Antwerpen) |
|--|-----------|--------------------|--------------------|--------------------------|
| 1 Technical Coordinator | | In-kind | | |
| 2 Systems Engineer | | | In-kind | |
| 3 Parameter, Layout and Risk Manager | INFRA-DEV | | | |
| 4 Software Engineer | INFRA-DEV | | | |
| 5 Civil Engineer | | In-kind | INFRA-DEV | |
| 6 Vacuum Engineer | INFRA-DEV | | In-kind | 20% In-kind (ANTWERPEN) |
| 7 Integration and Technical Infrastructures Engineer | | INFRA-DEV | | 50% In-kind (IFAE) |
| 8 Head Project Office | | Considered In-kind | | |
| 9 Head Engineering Department | | | Considered In-kind | |

Engineering Department – Personnel

Collaboration agreement with CERN:

- **Agreement with civil engineering until end 2026**
- **Extend the contract with vacuum group until Q3 2027**
- **Agreement with the Engineering Department for the Technical Infrastructure and HSE for underground Health and Safety issues until Q3 2027**

Engineering Department

- **Optical Layout and Detector Layout → Task Force**
- **Improved collaboration with the Local Teams**
 - workshop at CERN, roadmap
- **D5.3 delivered in September on time, but needs some revision**
 - *More specific summary*
 - *Mandate more specific – position inside ETO*
 - *More details on vertical team structure*
 - *Uncertainty on resources*
- **D5.4 Functional Engineering Department. (M28)**
Were waiting for feedback – should be ready early 2025

