FUSION FOR ENERGY

OPE-0982
Leak Detection systems for ITER

Pre-procurement complementary information

Scope of supply (EP contract)

EP contract : Engineering and Procurement

Scope of the main contract

- Preliminary (PDR) and Final Design review (FDR)
- Manufacturing Design + Manufacturing Readiness Review (MRR).
- Procurement of raw material (material certificates 3.1) and COT's (Off the shelf).
- Qualification of components under load cases and environmental conditions.
- Manufacturing.
- Assembly of all subsystems.
- Factory Acceptance Tests.
- Packing and shipping to ITER site (Cadarache, France).

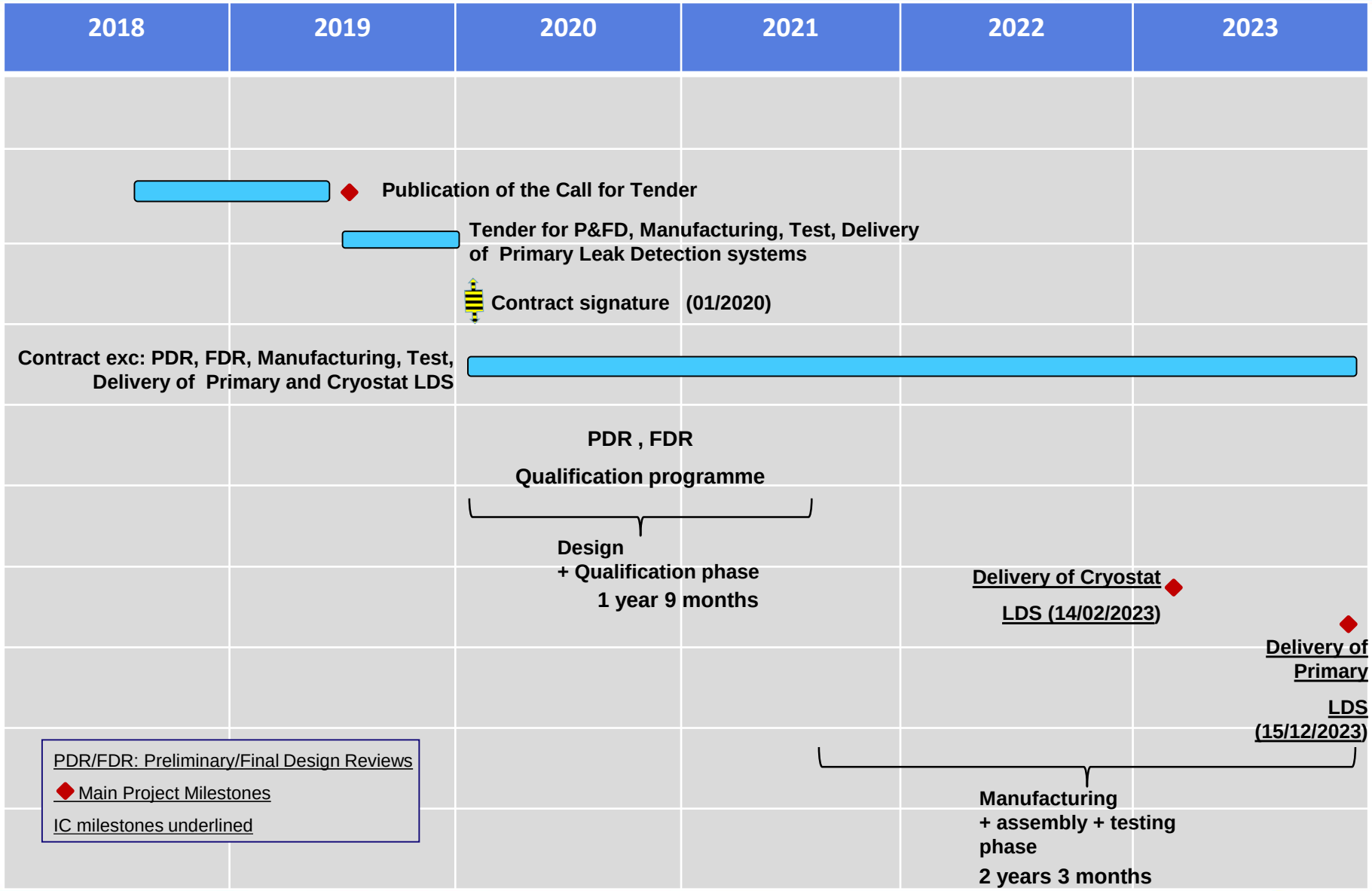
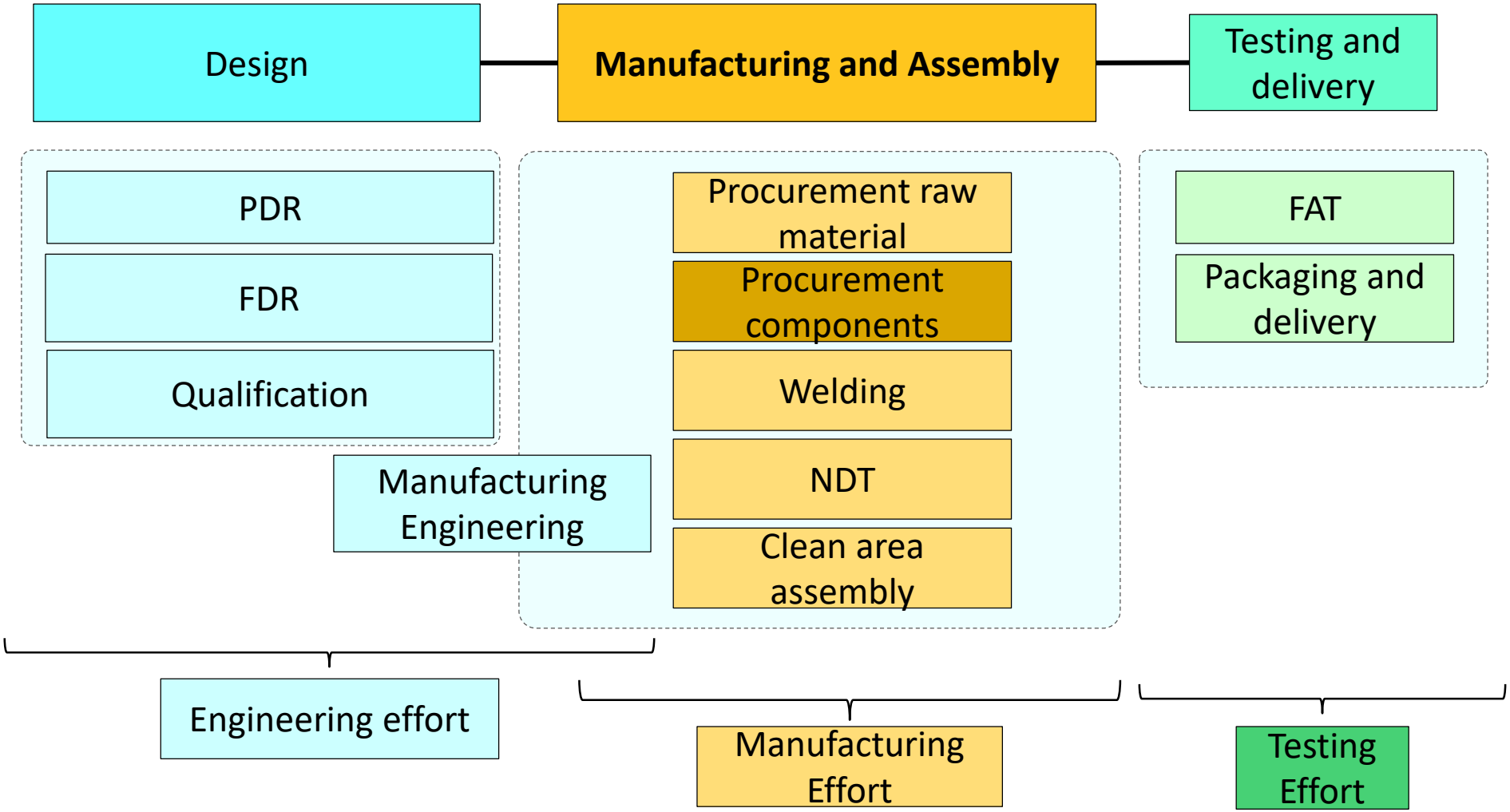
Scope: Leak Detection systems

Primary and Cryostat Leak Detection Systems

9 sub systems

- 1 Torus Direct LDS
- 1 Neutral Beam Direct LDS
- 4 remote LDS (SVS, Torus, NB, Cryostat)
- 1 Cryostat direct LDS
- 1 Gas Analysis system
- 1 Leak Calibration system
- 3 Control cubicle with remote controllers, PLC's, power supplies (hardware)
- Cabling

Orientative schedule



Project stages