



**FUSION
FOR
ENERGY**

11th ILO meeting

**On-going and main future CFTs
(F4E Business Intelligence-related activities)**

15th April 2011 - Barcelona

Buildings (and site adaptation)



Site adaptation work (OPE-251): on-going analysis of offers

TB02-Lift and cranes (OPE-285): on-going analysis of offers

TB03-Nuclear tokamak building/assembly hall/doors (OPE-286): on-going analysis of offers

TB04- Mechanical & Electrical System: planned publication Q4 - under preparation

TB05&07- Design & Build packages: planned publication Q4

TB06- HV electrical equipment: planned publication Q4

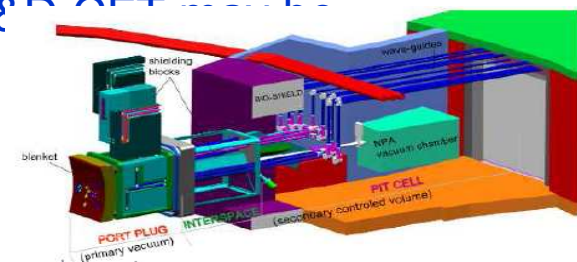
TB08-site infrastructure: planned publication Q4

CODAC

- Q1: Service Framework contract for in-sourcing engineering support – OFC-169 open for submission of tenders, deadline 02/05/11;

Diagnostics (bolometers, infrared tech, optical, reflectometers, dust measurement etc):

- **Q2: Integration Port CFT: last finalisations at F4E**
- **Q2: Dev. & design for 10 diagnostics (GFPA) + HXR diag.**
- Q2: Irradiation & post irradiation testing services
- Q2: Magnetic sensors prototypes & test equipment
- Q3: prototypes in support of GFPA diagnostics
- Market survey for nuclear cables: successful; a R&D CFT was launched before proper CFT.





Electron Cyclotron Power Source and supplies (Gyrotron):

- Q2: both “He free” magnet & gyrotron CFTs
- Q2: (GFPA) Design & Development of gyrotron
- Q3: 2nd gyrotron prototype

NBTF (Mitica/Prima/Spider):

- Q1: NB Power Supply by Q1; NB HVD1 (Call cancelled – Negotiated procedure to be launched)+Bushing
- Q3: Assembly tools and testing equipments; cryogenic plant
- Q1-2 : Mitica Vacuum System

HCD/AGPS:

- Industry Consultation (3 companies) initiated on Acceleration Grid Power Supply (AGPS) technical matters. The technical note and results have been made public.

Cryoplant:

- Q3: ONE F4E CFT (indication in Portal).

Vacuum Pumping and Fueling:

- BI to come back soon to ILOs for some investigations/mapping/survey

Tritium Plant:

- Tritium tanks; procurement activity 2010 postponed to 2011
Water holding tanks survey ongoing

Test Blanket Module and Engineering Support



TBM:

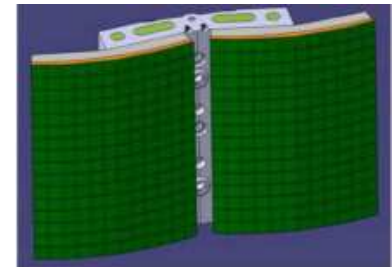
- Information day 9th March (material) successful
- Information Day (Design) planned 17th May
- OPE-305: under preparation

Divertor

- Q3: pre-production qualification (supply of 3 prototypes)
- Q3: manufacturing of full scale prototype
- Q3: high heat flux testing on W and CFC proto

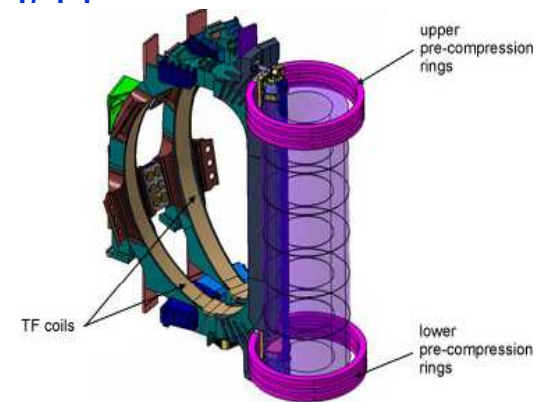
First Wall:

- On-going: OPE-0284 for semi-prototypes on-going (lot 1 awarded)
- Q2: procurement of irradiation tests on mock-ups: OPE-324 on-going, deadline 23/05/11
- Q2-3: HHF test facility: competitive dialogue (see Portal)
- Q3: **manufacture of a full scale prototype**



Magnets:

- Pre-compression rings: call on-going, deadline 18/04/11
- PF Coils: on-going



Remote Handling:

- Q1: Engineering Support Framework contract: OMF-272 ongoing (deadline 10/06/11)
- Infoday held on April 14th 2011 about 150 companies attended the event.
- Q2/3: Call for expression for interest for all the EU RH Procurement Packages
- **GRT-282 launched (probe design)**