



**FUSION  
FOR  
ENERGY**

**7<sup>th</sup> ILO meeting**

**General information and procurement status**

*22nd April 2010 - Barcelona*

## Meeting agenda



- 9h30: General information and procurement status
- 10h00: Exchanges with Philippe Correa
- 10h30: Coffee break
- 11h00: Ongoing procedures and CFTs coming soon
- 11h30: Christian's presentation on ILOs' activities with their national GB member
- 12h 00: Questions/exchanges + next ILO date (end June)

**Reminder:** specific questions related to a company in a given procedure will not be answered, in respect of our Implementing Rules.



- **ILOs:** WELCOME TO PIOTR BIELOWKA (POLAND ILO)
- **New schedule:** the November 2019 scenario (for the first plasma) has been accepted by the Governing Board in January. To be validated at June ITER Council.
- **F4E with all DAs:** intensification of cooperative work. In Phase 2 of Industry Portal => opening of supplier database.
  - **F4E-Indian DA:** a pre-qualification was open to EU companies, deadline of 30/03 for candidates; result not yet released
  - **F4E-USA DA:** exchange of information with F4E.



- **Budget:** a pluri-annual financing plan has been defined.
- **F4E website:** mock-up under final testing. Might be released by April-May.
- **Industrial Portal:** released in March. +330 registered users and companies recorded by today.
- **2010 Human Resources:** about 200 people now work at F4E ( Barcelona + Cadarache + Garshing ); an increase of human resources is expected by mid/end 2010 to face the ramp-up of activities.
- **Competed ITAs:** calls for expressions of interest now published as well on the Industry Portal.



- **2010 running:** after preparing several big contracts in 2009, they are now signed or coming to signature: about 200 M€ at March Exco; idem in May.
- **Participation of companies:** rather satisfying. F4E does not have problems to find qualified tenderers (cf. contractual conditions improvements).
- **F4E efficiency:** ITER Org. and other bodies (ex. MYRRHA project officers) visit F4E to learn on F4E procurement processes and tools.
- **F4E next CFTs visibility:** last list of calls updated end of March. Next one before end of May.



- **Subcontracting:** F4E published on its portal the name of **bidding** companies on the VV.
- **Industrial Policy:** more measures for SMEs. Document to be presented soon.

## SITE & Buildings status



- **JWS3 (Building for F4E Offices):** the construction is ongoing, expected delivery date of June 2010.
- **PF Coil building:** signed 13/01/2010 with the consortium including Spie Batignolles, Omega Concept and Setec
- **Support to the owner:** signature is foreseen for June (after May EXCo) as planned.

## Recently signed contracts (since 6th ILO meeting)



### (INDICATIVE AMOUNTS INCLUDE OPTIONS)

- **Architect Engineer:** signed with Engage (Empresarios Agrupados (E) + Atkins (UK)+ Assystem (F) + Iosis (F) ); about 150 M€
- **Health and Safety Protection coordination & Legal inspection services:** signed with Apave (F); about 10 M€
- **Divertor: Manufacturing of full tungsten monoblock components,** signed with Ansaldo Nucleare Spa (I); about 600k€
- **Support engineering: Revision of the Structural Design Criteria for In-Vessel Components (R-SDC-IC)** signed with Consortium Natec- Idesa (E); about 400k €



## Recently signed contracts (since 6th ILO meeting)



- **10 small contracts have been awarded for a total value of almost 500k €**
- **20% of such contracts have been awarded to Associations:**
  - Broader Approach, Quality Control Monitoring of NbTi Strands for JT 60SA TF Coils: “DC + geometry” (signed with CEA (F))
  - Broader Approach, Quality Control Monitoring of NbTi Strands for JT 60SA TF Coils: “DC + AC (signed with ENEA (It))

## Signed contracts : focus SMEs and sub-contracting



- **20% of small contracts have been awarded to SMEs:**
  - Spares for the High Voltage Power Supply System of the European Electron Cyclotron Test Facility (signed with O.C.E.M. (It) )
  - Quality Assurance, Insp. Support EDIPO (It) (signed with M&G s.r.l)

**Next step SMEs:** in all contracts, when reasonably feasible, F4E may request that a share is sub-contracted to SMEs.

### **Subcontracting:**

- F4E is deploying other efforts to favour sub-contracting.

## Recently signed grants (since 6th ILO meeting)



- **EC PS (Power Sources & Power Supplies):** Design and Development of the European Gyrotron, signed with KIT, EPFL-CRPP, HELLAS and CNR (about 900k€ value);
- **EC PS (Power Sources & Power Supplies):** Analysis of Design Issues, Interfaces and Preparation of the Procurement Arrangement for the ITER Gyrotron, signed with KIT and EPFL-CRPP (about 180k€ value);
- **EC PS (Power Sources & Power Supplies):** Design Verification of the Electron Cyclotron Power Supply for ITER, signed with EPFL-CRPP and ENEA (about 130k€ value);
- **Plasma System Division:** System-level optimisation of the ITER magnetics diagnostic and R&D/Design of magnetics sensors assemblies – Part A, signed with Consortium CREATE and ENEA (about 1.4 M€ value).

# Contracts to be awarded through next EXCo



Three important contracts are submitted to the Ex-co (planned 20<sup>th</sup> May) and are planned to be awarded shortly then signed:

- **Winding Packs:** Supply of the ITER Toroidal Field Coils Winding Packs
- **Superconductors Cabling:** Supply of TF and PF Conductors
- **Site & Buildings:**
  - Construction of the Tokamak Complex Seismic Isolation Pit.
  - Excavation and the two basemats).

## F4E results: contract figures (1/2)



- Signed early 2010: around 40 M€
- Signed since 6th ILO meeting: around 160 M€
- To be presented to May Exco: around 240 M€
- To be signed by Fall 2010: around 400 M€

**TOTAL > 840 M€ signed by end 2010**

## F4E results: contract figures (2/2)



- **Number of companies bidding for our CFTs:**
  - Austria 1 Belgium 5 Denmark 1 Finland 3
  - France 40 Germany 16 Italy 32 Portugal 1
  - Spain 35 Switzerland 4 Netherlands 6 UK 22
- **TOTAL 166**
- **Number of companies winning contracts:**
  - Finland 1 France 18 Germany 5 Italy 11 Spain 8 Switzerland 1 UK 7
- **TOTAL 51**

## Conclusion



- F4E procurement activity is still ramping-up.
- Buildings and linked contracts (ex A.E.) have been signed or awarded on time in order to meet schedule.
- Other big contracts handled in line with schedule (ex. winding pack) provided validation is on time.
- **F4E presents contracts for signature on time.**
- **The agency has proven its efficiency despite many difficulties.**
- **European industry has shown its willingness and capability to handle the project.**