



To answer the effective needs emerged in the CoP materials activities eni r&m division planned, in 2007, that a Materials and Corrosion Center (CMC) was created in VeneziaTecnologie (VeTec), with the main objectives of:

- save the experience and develop skills in eni
- carry out testing to control services provided by third parties, propose and perform experimental programs with very high performance devices
- identify gaps in knowledge and needs for technological innovation, proposing new R&D topics
- increase the safety of eni assets with reference to PED directive.

Following the workshop "A Eni Group Center for Materials and Corrosion", held in June 30<sup>th</sup>, 2009 in VeTec, the CMC launched the project "eni Secretariat for Corrosion".

The Secretariat organizes every year two workshops where to discuss cases of corrosion, to spread and deepen themes of interest for eni Divisions and Companies, to promote information exchange and good practices dissemination. Skills on materials and corrosion in eni are often not recognized as specific roles but as parts of other technical functions.

For the second 2011 Workshop, the Steering Committee has focused on a widespread problem such as "Corrosion under insulation (CUI)".

As usual, the Steering Committee meeting will take place at the end of the workshop. Workshops are free and open to the entire Eni Group without limitation, other than those strictly logistical.

**The workshop on CUI will be in Italian/English languages, depending on the speaker, preferably with slides in English (not mandatory).**

### Agenda

- **08.45-9.00 Registration**
- **9.00-9.15 Greetings to the participants**
- **9.15-10.15 General introduction to the topic:**
  - "EFC CUI Guideline" (G. Gabetta; e&p)
  - "The CUI phenomena; its prevention and monitoring" (C. Farina; consultant)
- **10.15-10.45 "Avoidance of CUI on the Goliat FPSO platform"** (O. Doble; EniNorge)
- **10.45-11.10 Coffee break**
- **11.10-12.40 Polimeri Europa CUI cases:**
  - "CUI on BTX plant distillation column" (D. Mandarà, S. Scanu, Sarroch)
- **12.40-13.00 "Model assisted thermography to detect water in the insulation: two positive cases at pilot scale"** (B. Molinas; VeTec)
- **13.00-14.20 Lunch**
- **14.20-14.40 "Eni Corrosion Case History database and input mode of the cases"** (M. Tolomio, VeTec)
- **14.40-15.20 "CUI on the piping: case studies and remedies"** (S. Ruspini; PE)
- **15.20-16.20 Presentations by Supplier:**
  - "New insulating materials and cladding for the CUI prevention" (M. Mannucci; Termisol Termica)
  - "TSA technology" (F. Trotta; Sulzer Metco)
- **16.20-16.50 Final discussion** (coordinated by G. Gabetta)
- **16.50 Workshop closing and coffee break**

- "CUI on LDPE plant Buthene-Ethylene separation column" (F. La Monica, D. Favetta; Priolo)

- "CUI monitoring by means of eddy currents: survey of Ethylene storage sphere clamps" (A. Saba, G. Piga; Porto Torres)

**17.00 - 18.00**  
**Steering Committee meeting**