Civil Engineering and Equipment – Mediterranean

For over 40 years, EGCEM is an engineering consulting firm, historical partner of EDF for its hydraulic (EDF/CIH) and nuclear (EDF/CIPN) power plants.

In particular, EGCEM takes an active part in the civil engineering studies of nuclear island through GIE EDEIN (team dedicated to the studies of the nuclear islands), and diversifies its business to other nuclear actors (such as AREVA and CEA), through the ALFADIR cluster.

Therefore, the needs for our customers in terms of modeling are very precise and specific:

- seismic simulations on modal basis,
- transient dynamic analysis,
- establishment of floor spectra,
- definition and integration of the Soil Structure Interaction (coupling with software MISS3D),
- non-linear simulations.

*Code_Aster* is the tool privileged by the Management of EGCEM to answer the whole of these needs.

The extensive *Code_Aster* documentation and the test cases provided ensure us of an effective follow-up of the successive versions and of their validation. The open structure of the code allows the development of functions answering specific needs or new design codes requirements.

This is why we wish to join to the PRONET network, in order to exchange with the various actors, to bring our own user experience of *Code_Aster* in the field of the civil engineering, and to contribute to any specific developments in our sphere of activity (reinforced concrete and steelwork).

Marseille, 2015/01/23