

Following ITEC exhibition

Amsterdam, 26th-28th of June, 2005

Again this year, the ITEC exhibition was a good opportunity for Oktal Synthetic Environment to meet innovative companies. Many new players in the M&S community have been represented. The major theme for Oktal-SE was *Interoperability*, which is a crucial aspect of simulation. This letter comes back on *two major events*:

- *Philippe Crespin's conference about "Use of SEDRIS for multi-sensors cues in Urban combat simulation",*
- *Oktal-SE and Pitch partnerships on HLA products distribution.*

Oktal-SE and SEDRIS

On Wednesday, 27th of April, Philippe Crespin, Oktal-SE's sales director, gave an innovative talk about "Use of SEDRIS for multi-sensors cues in Urban combat simulation". Sensor's simulation in a global battlefield simulation exercise has a direct and decisive influence on the constitution of the 3D database representing the synthetic environment. It requires handling of data and attributes that reflects environment as it can be seen by the sensor model. The purpose of the presentation was to show the adequation of SEDRIS data model in containing a complete sensor representation in optronic, thermal, electromagnetic and acoustic domains through the requirements in terms of data modeling of a reference workbench on battlefield modeling for the French MOD : CHORALE.



For few years, Oktal-SE has become a SEDRIS expert. Since 1998, Oktal-SE represents French MOD as a « SEDRIS associate ». In addition, Oktal-SE is mandated by French MOD to assess the SEDRIS conformity of the French Defence 3D databases. In this context, Oktal-SE was invited to present SEDRIS application in a particular area: Urban Combat.

Reminder: **SEDRIS** stands for Synthetic Environment Data Representation and Interchange Specification. It is a method for unambiguously describing the environment, independent of whether the environment is geo-specific, geo-typical, or completely fictitious. SEDRIS offers a mechanism for sharing the environmental data.

Oktal-SE and Pitch partnership



The Swedish company Pitch, world leader in RTI for HLA conception, *reviewed and strengthened its partnership* with Oktal-SE. Since 2004, Oktal-SE has been Pitch's distributor in France. This partnership is important for Oktal-SE which pays high attention to the evolutions of interoperability on the French market.

Meeting at Pitch's booth during ITEC 2005. From left to right: André Joly (Oktal-SE), Björn Möller (Pitch), Philippe Crespin (Oktal-SE), Staffan Ljöf (Pitch).



At the occasion of the show, Pitch announced new products development (Booster, Commander, Recorder) and a *training session for HLA 1516* that will take place in France in September 2005. Please do not hesitate to contact us for more information. (emilie.jacquemart@oktal.fr, phone: 33 1 46 94 98 28)

Reminder: *HLA* stands for High Level Architecture, which is a modern and standardizing way for dynamic data exchange among distributed simulations. HLA in its version 1516 is a IEEE standard. The RTI produced by Pitch is the only one in the world certified according to 1516 IEEE standard.

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The ITEC show was an opportunity to review the simulation community in Europe. It appears that Oktal-SE is the only company in Europe which develop COTS simulation software dedicated to sensor systems study, qualification and validation. The Oktal-SE suite of simulation tools (SE-Workbench) has applications in many different R&D domains: IR, EM and SAR seekers, IR and EM countermeasures, IR and EM signatures, night vision systems, RCS... Oktal-SE's approach of simulation is rather unique. It consists of using physically accurate simulation for new sensors system developments (missiles, UAVs...) or new equipment design and up-grading (planes, tanks, ships...). The use of sensor simulation enables industrial players to understand physical behaviour of their equipments, prepare, review and master real test campaigns.

Future events: Le Bourget Air Show

In June, Oktal-SE will have a booth at the 46th International Le Bourget Air Show. It will be a pleasure for us to meet you there, so please do not hesitate to schedule a meeting. (emilie.jacquemart@oktal.fr, phone: 33 1 46 94 98 28)

New products and applications will be demonstrated at the occasion of the show.

