

Synthetic Environment modeling and SEnsor simulation

OKTAL-SE is the French editor of the world class product **SE-WORKBENCH** software considered as a reference for several MoD around the world for research simulation. **SE-WORKBENCH** aims at computing the response of a 3D scene in Electro-optic and Radiofrequency domains. The performances of visible camera, infrared sensor, radar and GNSS receiver can be analysed in any locations all over the world and in any atmospheric conditions.



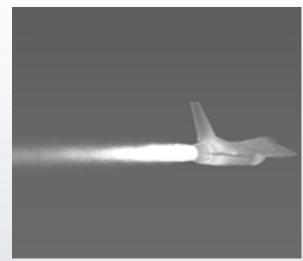
SE-WORKBENCH-EO
Spectral visible image



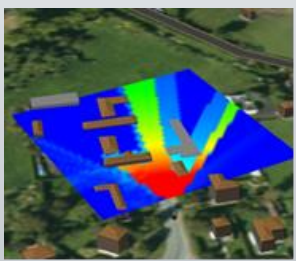
SE-WORKBENCH-EO
Infrared sensor simulation



SE-WORKBENCH-AEO
Active EO simulation



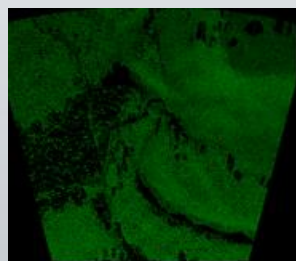
SE-WORKBENCH-EOS
Infrared signature of aircraft



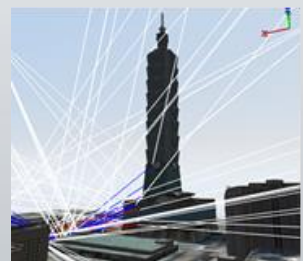
SE-WORKBENCH-RF
1GHz 100GHz RF signal propagation



SE-WORKBENCH-SAR
Synthetic Aperture Radar

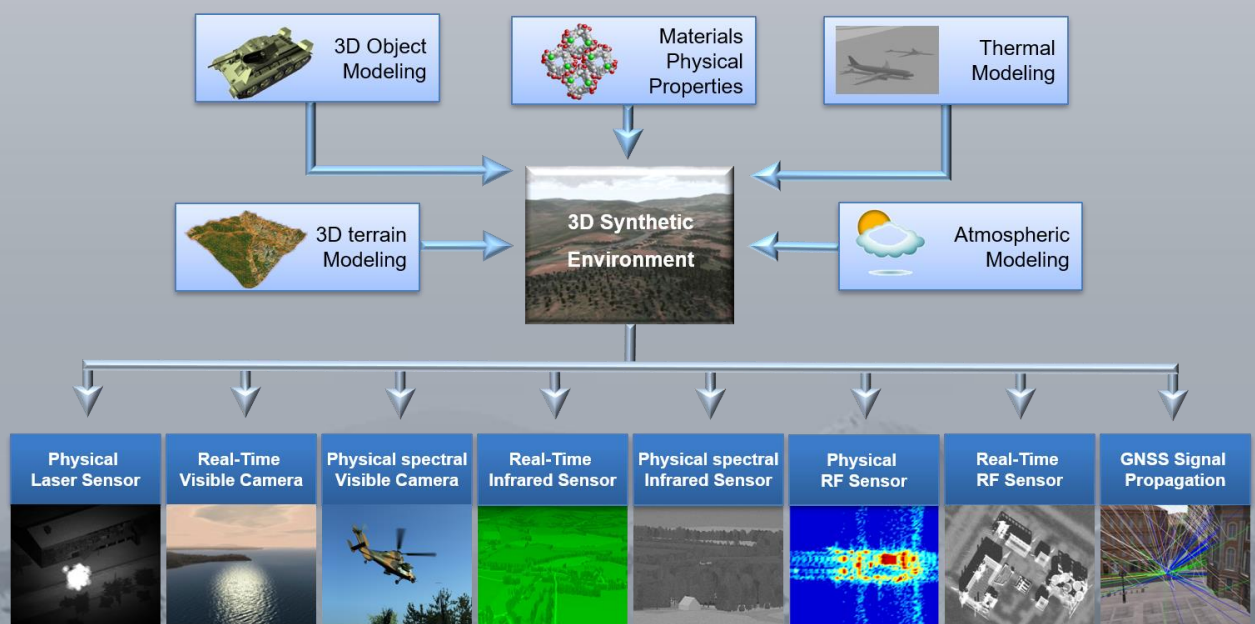


SE-WORKBENCH-RGBM
Real Beam Ground Mapping radar

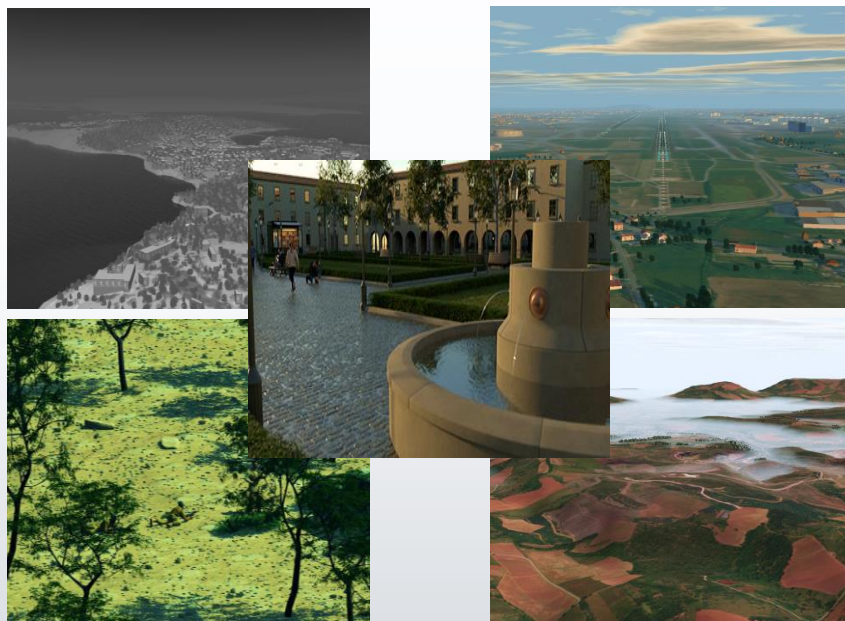


SE-WORKBENCH-GNSS
Reception assessment in urban

SE-WORKBENCH : « a unique approach for multi-sensor simulation »



Creation of realistic 3D scenes



SE-WORKBENCH applications

Our customers take the most of the SE-WORKBENCH simulation for the development and qualification of their sensor based systems in Defence, Aeronautics, Automotive and Telecommunication domains.

Our references



Supported by the French MoD within the CHORALE project for more than 20 years and used as a strategic tool for programs involving sensor simulation studies.



Approved by MBDA on several missile programs. OKTAL-SE and MBDA_Fr have signed in 2013 a partnership agreement on multispectral image simulation

