

## SE-Workbench-EM: Electromagnetic software package description

### STANDARD EDITION

The perfect solution to start with electromagnetic target analysis! The STANDARD EDITION of the SE-Workbench-EM solution takes benefit of the advanced technology of the OKTAL-SE software and is simple and efficient to use. High frequency Radar Cross Section (RCS) can be computed using ray-tracing technology implementing asymptotic methods. Import capabilities are provided in order for the user to work on existing 3D objects. A plug-in to 3DSmax™ is delivered. Finally, a SE-Workbench database interface for geometry and physical data (EM Physical Material library) is delivered.

In order to enable an efficient use, the STANDARD EDITION includes 3D object samples, a set of Physical Materials, the User Manual documentation and a basic description of the implemented Physical Models.

### SE-Workbench-EM STANDARD EDITION

#### Synthetic environment modeling:

Import capability:  SE-FFT  
3D objects: *samples of 3D objects*  
Physical data: *library of EM Physical Materials*

#### Integration and signal rendering:

Target analysis:  SE-RAY-RCS

#### Documentation:

Software: *User Manuals*  
Physical Models: *Basic Physical concepts*