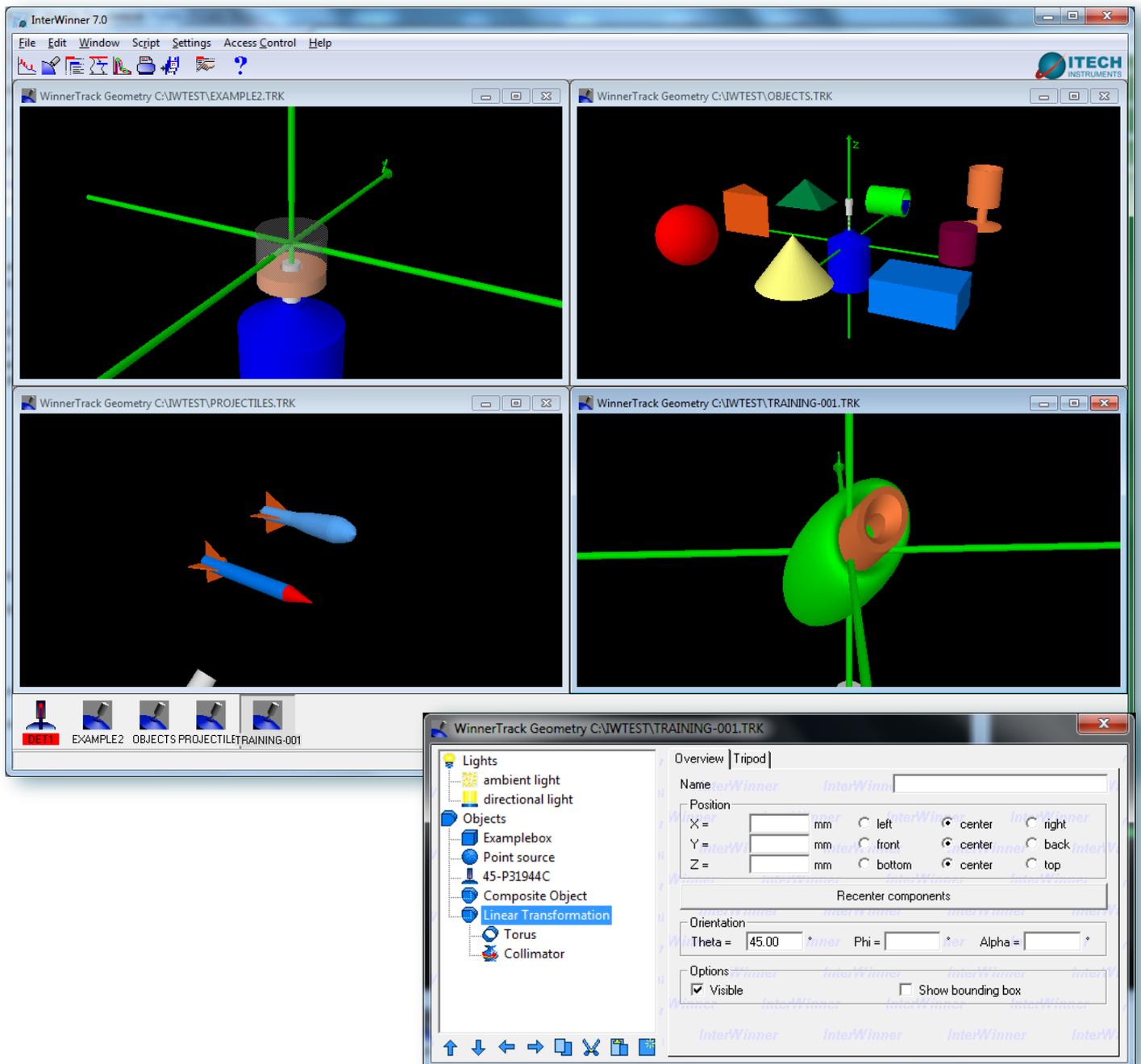


WinnerTrack



WinnerTrack, is a mathematical calibration package. It uses Monte Carlo methods and calculates the effective efficiency based on the detector character-

istics and the user defined acquisition setup. **WinnerTrack** can be used for field and laboratory use. No symmetry axis is required for **WinnerTrack**.

User interface

- ▶ **WinnerTrack** uses a live 3D display. Changes made to the geometry are immediately shown in the 3D display.
- ▶ Viewing distance and viewing angle selectable
- ▶ Multiple views of the same or different set-ups
- ▶ Test beam for additional geometry set-up control

Possible objects

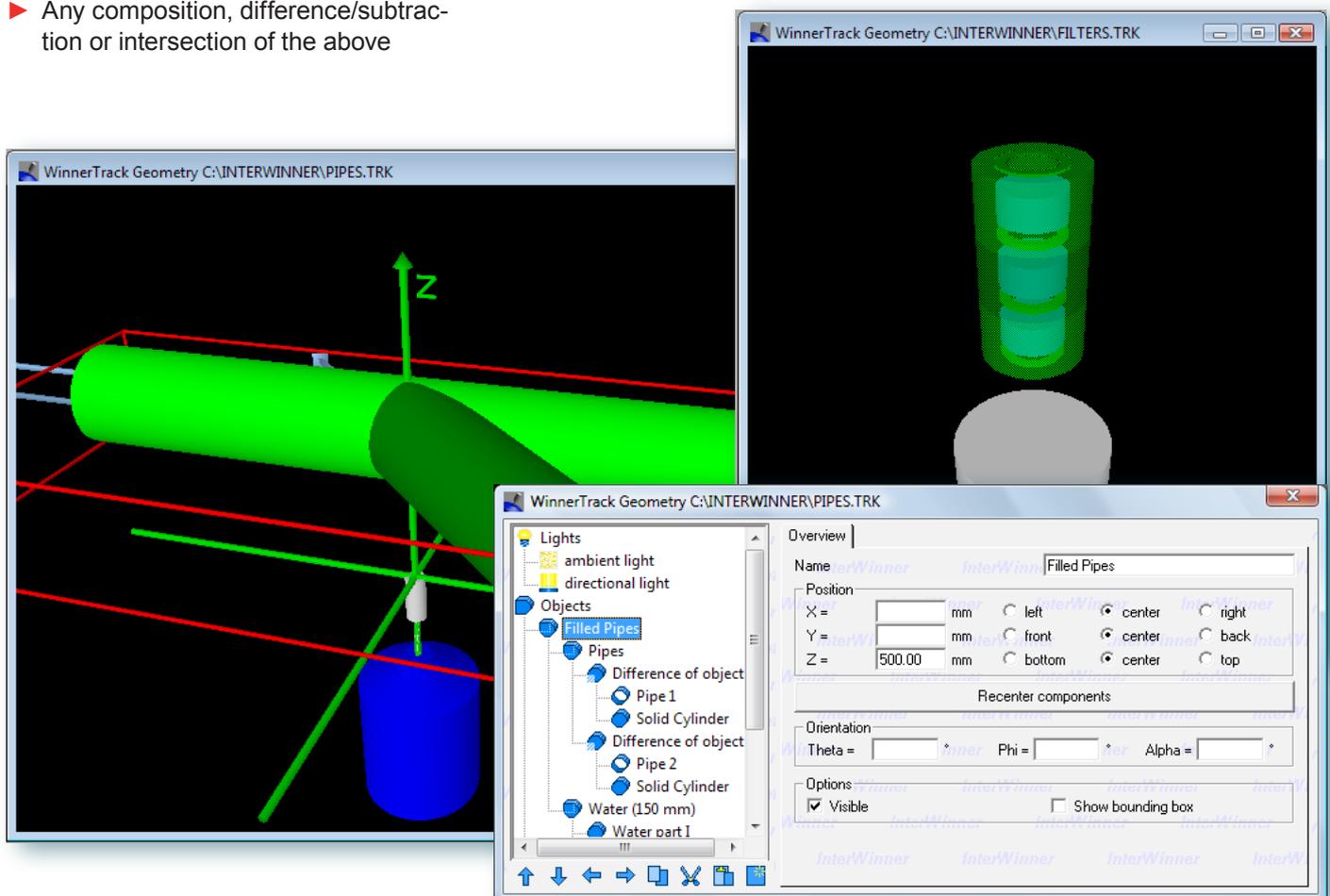
- ▶ Point source, Box, triangular box, pyramid, cylinder, pipe
- ▶ Filled pipe, filled cylinder/drum, cone
- ▶ Rotational symmetric object, Marinelli, torus, sphere
- ▶ Any composition, difference/subtraction or intersection of the above

Possible materials

- ▶ All elements from Hydrogen to Curium
- ▶ Predefined combined materials like water, PE, sand
- ▶ User defined materials
- ▶ Any combination of the above

Activity distribution

- ▶ The set-up can contain several active and non-active (e.g. screens, collimators) objects
- ▶ Inside an object, the activity distribution can be homogeneous, linear in z direction, exponential in z direction or a user defined function $f(x,y,z)$



ITECH INSTRUMENTS

☎ +33 (0)4.42.07.41.92 • 📠 +33 (0)4.88.71.42.00

ZI La Valampe • 3 Avenue de la Maranne
13220 Châteauneuf-Les-Martigues

info @ itech-instruments.com • www.itech-instruments.com