



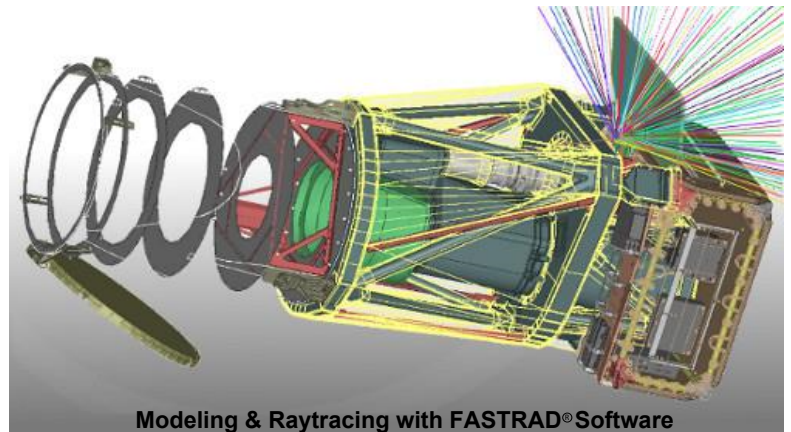
# Space Engineering

## Your partner for Radiation Hardness

TRAD Test & Radiations provides advanced services and a unique expertise to assist companies in **predicting and minimizing radiation effects** on their products and systems. Our space engineering experts operate as much in the field of radiation protection as in the study of systems behavior in a space environment.

### Your needs

- Be compliant with the **RHA process**
- Develop your **radiation skills**
- Have a **partner** for any issues concerning radiation
- Optimize your **radiation shielding**
- Study **new radiation** phenomena or technologies



Modeling & Raytracing with FASTRAD® Software

### Our solution

- Assist you in any step of the **RHA process**
- Evaluate the **radiation sensitivity** of your components -TID, TNID, SEU, SET, etc.
- Model your structures and calculate the **received doses using Fastrad®**
- Develop **customized tools** for your analysis
- Offer **trainings** on radiation effects in the space environment

### We can provide you a global solution :

Evaluate sensitive  
EEE parts

SEE  
error rate prediction  
TID&TNID  
tolerance estimate

Find solutions in case  
of non compliancy

Define the radiative  
environment

Research radiation  
test data available

Calculate  
the received dose  
Sector analysis  
Reverse Monte Carlo

Spacecraft radiation  
design validated

#### Our added value

- 20 years of experience
- A multidisciplinary team of PhD
- More than 1000 radiation analysis
- **Fastrad®** and **Omere** software developer

#### They trust us

More information : [www.trad.fr](http://www.trad.fr)



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