THERMADIAG

High temperature processes supervision and multi-sensor data analysis
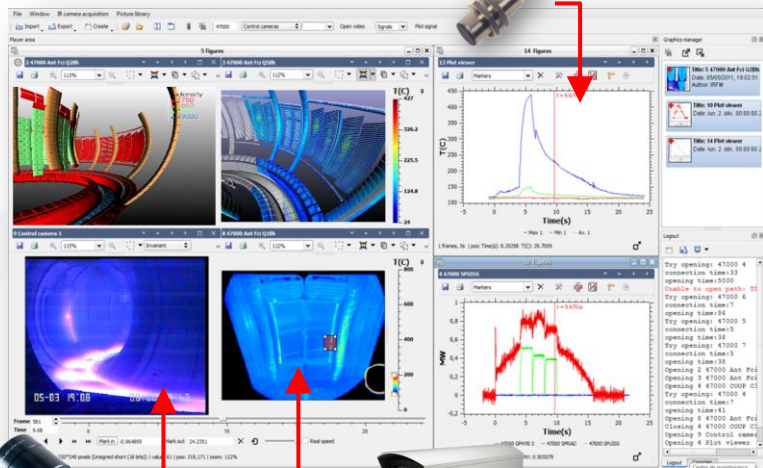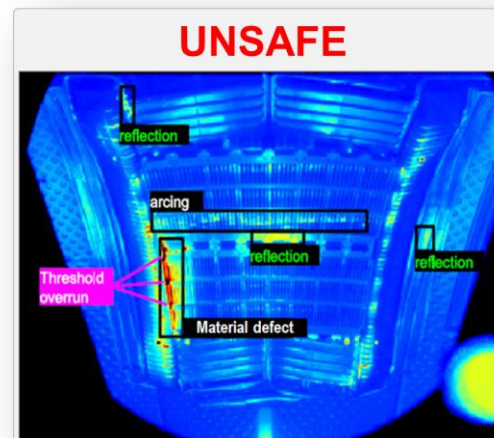CEA-IRFM (Cadarache) spin-off

Software tools for offline process understanding

▲ **Visualization & synchronization** of heterogeneous sensor data (1D -> 3D) in a **unique GUI**

▲ **Infrared movie analysis tools**

▲ **Camera field of view simulation**

▲ **2D video to CAD models mapping**

▲ **Easy customization & integration**

Real-time detection of thermal anomalies

▶ Infrared video **acquisition and storage**

▶ **Event classification & safety assessment**

▶ **Situational Awareness Dashboards**

▶ **Non-intrusive** integration

Markets

▶ **Magnetic confinement fusion**   ▶ **Steel industry**

▶ Petrochemistry   ▶ Plastics industry
▶ Glass industry   ▶ Cement industry

Objective: set up a R&D collaboration to develop a prototype for industrial process supervision