



**Training** of a new generation of creative, entrepreneurial & innovative researchers in structural-failure prediction



**7** leading research groups



**5** leading hightech companies

## Predict Fracture Phenomena in Complex Engineering Systems

Initiation and propagation of cracks interacting with bimaterial interfaces

### Researchers Training:



**Early Stage Researchers**

### Innovative Modeling Strategies:



**FFM**  
Finite Fracture Mechanics

**PF**  
Phase Field approach

Ensure **Structural Integrity, Reliability & Efficiency** in Strategic Industrial Sectors



Aerospace



Automotive



Energy production & storage



Electronics



Biomechanics

**Materials:** composites, ceramics, glass, photovoltaics, bones