inegi driving innovation

since 1986

INEGI

Instituto de Engenharia Mecânica e Gestão Industrial

UMEC

Unidade de Materiais e Estruturas Compósitas

Luís Pina – Business Developer for Composite Materials R&D Projects

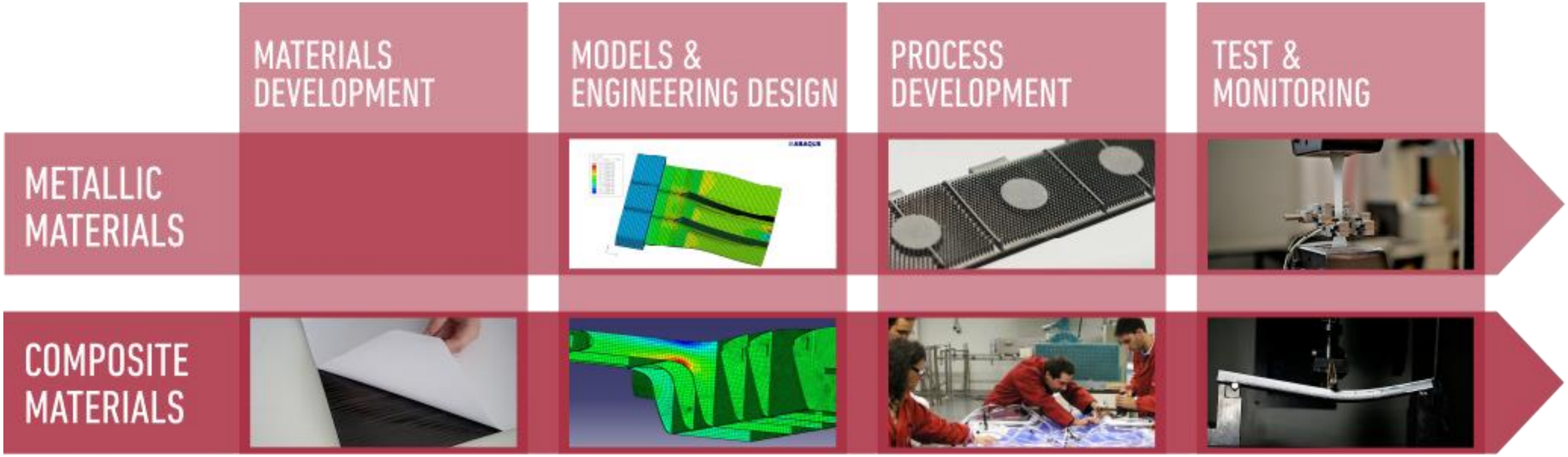
U.PORTO

Capabilities and Resources

INEGI R&D Team: 200 Total, 60 PhD
INEGI Turnover: 8 M€

UMEC R&D Team: 45 Total, 20 PhD
UMEC Turnover: 1,6 M€

Equipment : Engineering tools, Laboratories, Prototyping and Pre-series

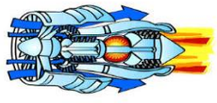


International Projects

EUCARBON - Aerospacial grade Carbon Fibers and pre-impregnated materials made in the EU.

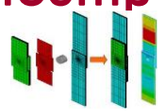
Coordination, Pre-impregnated Materials and Testing

SHEFAE - Surface Heat Exchangers for Aero-Engines.



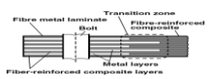
Composite Materials Modelling

iComp - Integrated method for structural design of Composite components.



Development of design methods and Finite Element Analysis

BOJO - Increase of bolted joint performance for CFRP using hybrid laminates.



Finite Element Model, Sensitivity Analysis and Joint Performance

WASIS - Composite fuselage structure for 3m diameter airplanes.

wasis project

Manufacturing Design and Filament Winding Prototyping

LIFE - Eco-efficient, lightweight and comfort in an integrated and innovative airplane cabin design.

life Lighter, Friendly and Eco-efficient Aircraft Cabin

Protoryping

ACTIVITY IN AERONAUTIC SECTOR

AeroCluster Portugal

http://www.aeroclusterportugal.pt/

INEGI is member of the Portuguese AeroCluster.

Competences : Advanced Composite Materials
Processes and Structure Research

Objectives : Submit R&D projects within the Cluster
Participate in CleanSky 2