Your partner in technology

CTAG NEW MATERIALS

Green Materials

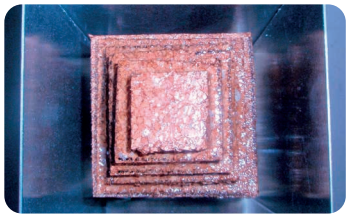
- Lower environmental impact
- Reduced material cost
- Materials from renewable resources
- Potential use of local resources
- Valorisation of waste and side streams
- Use of recycled materials
- Contribution to circular economy
- Similar mechanical performances
- High value-added real natural aesthetic

INNOVATIONS BY CTAG

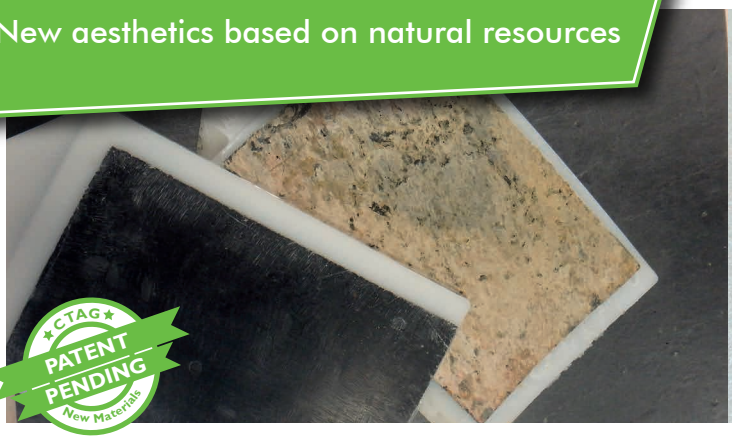
New formulations of biobased composites suitable for injection moulding.





New aesthetics based on natural resources



PROXECTO COFINANCIADO
FONDO EUROPEO DE DESENVOLVEMENTO REGIONAL
UNIÓN EUROPEA
XUNTA DE GALICIA
CONSELLERÍA DE ECONOMÍA, EMPREGO E INDUSTRIA
igape

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MATERIALS INNOVATION

- **17** patents & **2** pending
- **20** collaborative projects
  - **10** EU projects
    H2020, 7FP, Interreg SUDOE & POCTEP
  - **10** as coordinators
- **30** customer R&I projects
- International Collaborations:
  - **9** automotive OEMs
  - **18** TIER1
  - EU excellence research institutes
  - SMEs with intensive research capacities
- Synergy with in-house technological capacities
  - CAE design: structural linear/non-linear analysis, topology optimization
  - Virtual simulation: crashworthiness, fluid determination, kinematics, process simulation
  - Physical validation: climatic, vibro-acoustics, fatigue, materials, engine, electronics and ergonomics
- Deep knowledge of the analysis and application of automotive regulations and standards as well as of the development of new testing strategies for new materials

LATEST PROJECTS

naturtruck

New biocomposites from renewable resources with improved thermal and fire resistance for manufacturing a truck interior part with high quality surface finishing
FP7-SME-2013 | **www.naturtruck.eu**

GreenMotion

Virtual platform to promote the use of eco-friendly materials in the automotive sector based on renewable resources
INTERREG IVA POCTEP | **www.greenmotionproject.com**

Forestcar

New biocomposites based on thicket and other forest wastes used as plastic reinforcements for automotive components
Regional

eco PLAST

Research in new biomass-based composites from renewable resources with improved properties for vehicle parts moulding
7FP-NMP-2009 | www.ecoplastproject.com

naturplas
Centro Virtual de Desenvolvimento Compósitos Biodegradáveis

Development of new biodegradable materials from Euro-region natural resources for their application in the car making industry
INTERREG IIIA

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