



# ReVAMP (REcycled Valorization for Automotive Material Progress) **FORD OTOSAN**

<b>Project Idea</b>	<b>Integration of recycle content on high value added components comprise of thermoplastic composites and special blends (i.e. long glass fiber structural semi-structural components, polyamide/abs blends for visual applications)</b>
<b>Organization</b>	Ford Otosan, Istanbul, Türkiye
<b>Addressed topic(s)</b>	<b>HORIZON-CL4-2026-01-MAT-PROD-01</b> : Advanced manufacturing for key products (including use of advanced or secondary raw materials) <b>HORIZON-CL4-2026-01-MAT-PROD-04</b> : Optimise the usage of resources in a circular economy <b>HORIZON-CL4-2026-01-MAT-PROD-05</b> : Circular advanced materials: facilitating the transition from design to markets <b>HORIZON-CL4-2026-02-MAT-PROD-21-two-stage</b> : Development of safe and sustainable alternatives to substances of concern <b>HORIZON-CL4-2026-01-MAT-PROD-23</b> : Accelerating the discovery and development of chemicals and innovative advanced materials through digitalisation and artificial intelligence (IA) (Innovative Advanced Materials for the EU partnership) <b>HORIZON-CL4-2026-01-MAT-PROD-14</b> : Improving availability of secondary raw materials through recycling



# ReVAMP (REcycled Valorization for Automotive Material Progress)



- Fiber reinforced plastics, polymer blends and composites are not easy to recycle and hard to include recycled content at the state-of-the-art.
- In automotive sector, there is an increasing interest in such components resulting from transition to electrical vehicles.
- Lightweighting alongside lowered carbon footprint via sustainable feedstock integration is challenging.
- Machinery and process development for such applications are needed as traditional systems are not sufficient.
- Priority calls for ReVAMP concept
  - **HORIZON-CL4-2026-01-MAT-PROD-01** : Advanced manufacturing for key products (including use of advanced or secondary raw materials)
  - **HORIZON-CL4-2026-01-MAT-PROD-05** : Circular advanced materials: facilitating the transition from design to markets

## Competences / type of partners sought

- Partners with expertise in production of LFT materials by pultrusion or coating.
- Partners with expertise in reactive blending and compatibilizer development (i.e janus particles, triblock copolymers).
- Partners with expertise in purifying recycle feedstocks and identify feedstock quality in terms of impurities.
- What we can bring (in general):
  - Injection molding expertise
  - Validation of parts and materials according to OEM specifications (Green steel&aluminium, CRM, plastics)
  - Thorough LCA studies
  - Integration of different level of suppliers to cover whole automotive value chain.

## Contact details

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