

# Sustainable Industrial Design of Textile Structures for Composites

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## Introduction

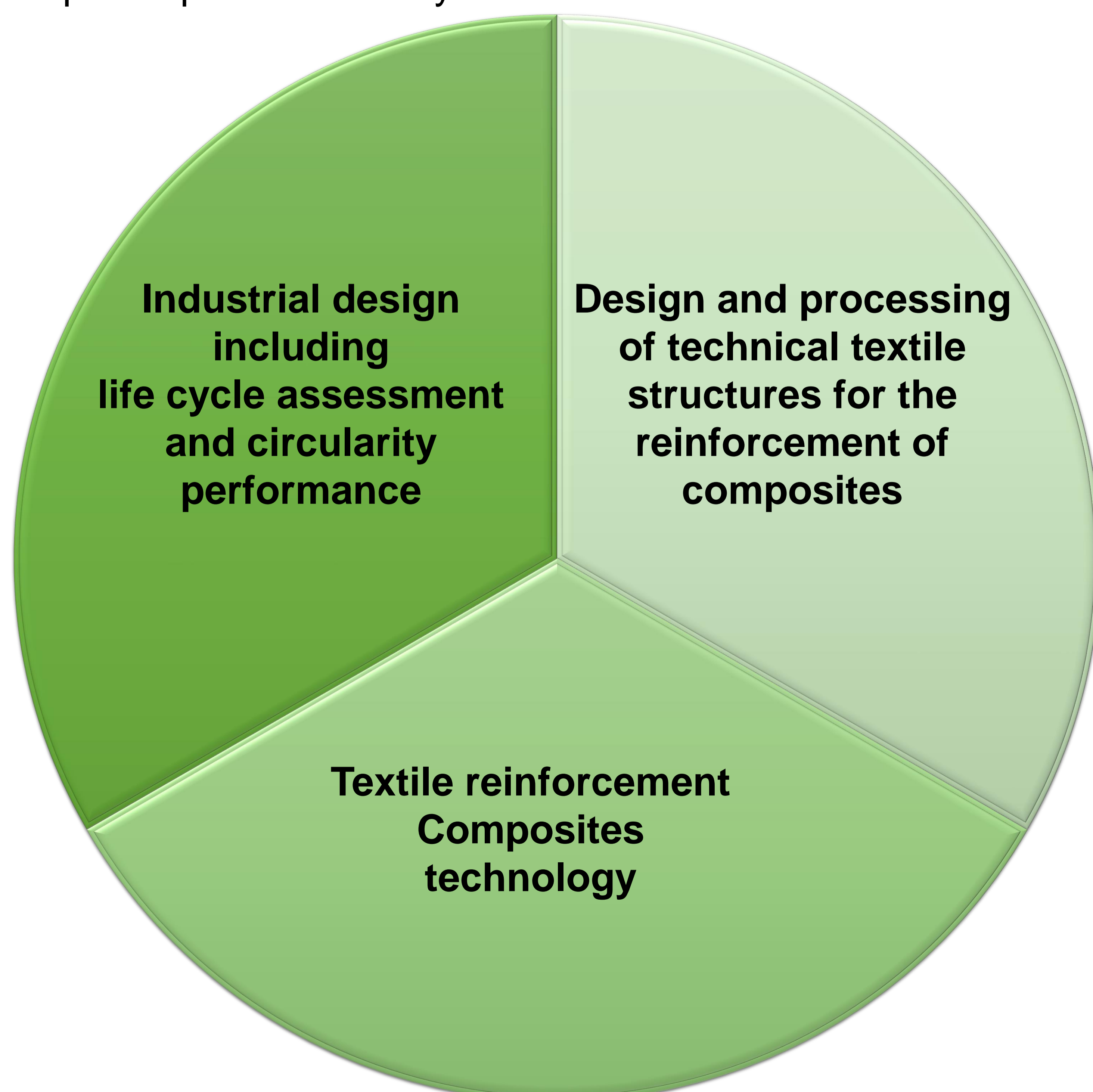
- The Sustainable Industrial Design of Textile Structures for Composites (SustDesignTex) project was awarded in the twinning competition under the European Commission Horizon Europe program, and Lodz University of Technology (TUL) is a coordinator of the project.
- EU has funded almost 1.5 million euros for the project's entire duration, which is three years.
- The project's research activities will focus on designing innovative textile structures used to produce lightweight composite structures for aircraft and drone components, and other automotive components.
- The project partners will transfer knowledge via workshops, conferences, short term visits, training activities, etc.

## Objective

- The main goal of the project is to establish a long-term strategic partnership between TUL (Faculty of Materials Technologies and Textile Design), top-class leading counterparts at the EU level, and the Polish company in the area of industrial design of innovative textile structures for composites through research networking activities.

## Area of research

- The project partners will implement a research and innovation strategy focused on three sub-topics by taking into account the composite products' life cycle:



## Project Partners



Lodz University of Technology  
Poland



Germany



HÖGSKOLAN I BORÅS  
Sweden



Universidad  
Zaragoza

Spain

**Wademekum**

Poland

## Conclusion


- SustDesignTex project is aimed to build a strong collaboration between researchers across the partner universities and industries to innovate a novel sustainable textile reinforced composites by considering the Ecodesign principle.

## Contact

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