



PAint waSTE RECycling
Project
PASTE - REC



smart

advanced manufacturing

Organisation Legal Name: **Vestel Elektronik San. Tic. A.Ş.**
Organization Type: IND (Large Scale)
Country: Turkey (TR)
Website: <http://www.vestelinvestorrelations.com/en/default.aspx>

VESTEL

Standing out with its competencies in manufacturing, R&D and innovation, Vestel is a prominent technology company and a global manufacturer. Vestel operates in the following areas;

- Consumer electronics,
- Household appliances,
- Digital and mobile products.

Vestel is a global group of companies, which consists of 28 companies in total, 18 of which are located abroad. Vestel represents an important source of power for the Turkish economy with its nearly 17,000 employees, its production capability supported by its technological superiority and its contribution to the country's exports.

Vestel appeals to different consumer tastes in 156 countries with its wide range of products which reflects its competencies in technological development, design and product customization. Accounting for 90% of Turkey's TV exports and 30% of the nation's white goods exports, Vestel has been an unwavering export leader in the Turkish electronics sector for the past 22 years

Global group of companies: 28 companies, of which 18 are located abroad,

a consumer electronics company which includes major household appliances, digital and mobile products, small home appliances, IoT products and services, electric car charging infrastructure and automotive electronics and LED lighting products in the domestic and export market,

Vestel is also one of the biggest **OEM** company in the world,

more than 16,000 employees, over a 1.3 million m² manufacturing base in a single-site industrial area,

around 1400 engineers, researchers and technical staff in R&D Department,

over a hundred projects each year with an international team, funded EU and national bodies.

VESTEL

PROPOSAL INTRODUCTION (I)

Vision: main project goal

Awareness of sustainable waste management in the paint technology sector is vital important for sustainable and green manufacturing. Recycling waste paint provides economic and environmental benefits which are to decrease carbon footprint, waste, water and raw material consumption.

Motivation:

Reducing its consumption footprint and double its circular material use rate.
Recycling of nonhazardous industrial paint sludge for a viable clean environment

The current innovation awarded system provides 88% efficiency and there is a need for a special dosing system for the **recycling of 100%** of the paint recycle to reach **reusability, upgradability and reparability of the product by** increasing energy and resource efficiency.

Content:

PROPOSAL INTRODUCTION (II)

Expected outcome:

A novel and special dosing system for the recycling of 100% of the paint recycle which will allow recycling and reusing waste paint.

Extent sustainability aspects of products by reducing the carbon footprint of manufacturing
climate-neutral, resource-efficient and circular economy, reduce waste

Impacts:

Recycled Eco-friendly and climate neutral manufacturing process

Designing sustainable products & process

Schedule: start and end dates for the project. Duration.

Q4-2021 -36 Months

PARTNERS

Current Consortium: list of partners already involved in the project
Turkish Consortium (Completed)
Fraunhofer IFAM (Germany)
Ongoing discussions with other program countries.

Partner search:

We are looking for partners that expertise:

Water-based painting domain experts

Automatic painting system hardware manufacturer &sw developers

AI, big data-related institutions, SME or large enterprise.

Circular Economy and Environment institutions

Sensor providers

CONTACT INFO

Contact info: For more information and for interest to participate please
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Thanks for your
attention