Sächsisches Textilforschungsinstitut e.V.

Affiliated institute of the University of Technology Chemnitz



Managing Director: Dr. Heike Illing-Günther
Annaberger Straße 240 | 09125 Chemnitz | Germany | Phone: +49 371 5274-0 | Email: stfi@stfi.de | www.stfi.de

GreenTex - Development of a green design solution for facades of architectural heritage in the Vogtland region

Problem / Motivation

- Declining use of rural areas, shrinking agricultural land, urban expansion, heat-related crop failures and ecological crises are jeopardising the global food security.
- Facades of vacancy industrial buildings, which are part of our architectural heritage, are difficult to repurpose due to the high renovation costs.





Assoziierte Partner





Solution

- Sustainability, urban greening, preservation of architectural culture, and agricultural crop
 production in cities using resource-saving materials and intelligent design.
- Development of functionalized plant cultivation mesh based on local plants and minimally invasive anchoring of the green facade system, integration of a plant care system and moisture sensors.

Project Launch

08/2025

Project Partner

Textilforschungsinstitut Thüringen-Vogtland e.V. (TITV), Greiz JAHN GmbH & Co. KG, Schwarzenbach am Wald



The 'Old Paper Mill Greiz'





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Contact: Dr. Yvette Dietzel Sebastian Jobst, M. Sc. Phone: +49 371 5274-223 Email: Phone: +49 371 5274-270 Email:

yvette.dietzel@stfi.de sebastian.jobst@stfi.de www.stfi.de 05/09/2025