

Greening up the city

Waste Flow

Construction and Demolition Waste

Impact on PESTEL categories

Technical

Location of the good practice

Amsterdam Metropolitan Areas

Stakeholders involved

Enterprises, researches

Keywords

Sustainability of buildings, Improving waste logistics, Quality management

Description

This EIS consists of developing new green wall construct as second façade on top of the existing ones. The solution adopts bioplastics from dried algae as a building material, because of the energy production and absorptive function of the algae. Green façades from climbing plants are already used frequently. The innovation lies in the use of the harvest from the climbing plants to make fibre. The combined opportunities from the climbing plants and algae are used to design a circular system where the harvest of one facade will be the base of the construction of a second façade.

Objective

Greening Up solution aims to generate an alternative construction technology that simultaneously addresses the problem of construction and demolition waste and the reduction of greenhouse gases, air and noise pollution in the form of the application of green façades.

For further information

<http://h2020repair.eu/wp-content/uploads/2019/03/Deliverable-5.2-Catalogue-of-solutions-and-strategies-for-Amsterdam.pdf> (page 181))

