



## Project details

<b>Grant Agreement Number</b>	101158001
<b>Project Full Title</b>	CO <sub>2</sub> CAPTuring from nature-based building TILES
<b>Topic</b>	LIFE-2023-SAP-CLIMA-CCA
<b>Type of action</b>	LIFE Project Grants
<b>EU Contribution</b>	1 972 776.00
<b>Start date of the project</b>	1 June 2024
<b>Duration</b>	48 months
<b>Project Coordinator</b>	Mario Cunial, Industrie Cotto Possagno SpA (ICP)
<b>Project Website</b>	<a href="http://www.lifecapt-tile.eu">www.lifecapt-tile.eu</a>

## Partners

- ❖ INDUSTRIE COTTO POSSAGNO SPA (ICP) - Italia
- ❖ OFFICINE SMAC SPA (SMAC) - Italia
- ❖ UNIVERSITA' POLITECNICA DELLE MARCHE (UNIVPM) - Italia
- ❖ CONSIGLIO NAZIONALE DELLE RICERCHE (CNR) - Italia
- ❖ BERGAMO TECNOLOGIE SPZOO (BGTEC) - Polonia
- ❖ AZIENDA TERRITORIALE EDILIZIA RESIDENZIALE DELLA PROVINCIA DI PADOVA ATER (ATER) - Italia

# Introducing the LIFE CAPT-TILE Project: Innovative Solutions for Green and Sustainable Architecture

Possagno, Italy – June, 1 2024

The **European project LIFE CAPT-TILE**, funded by the European Union with a contribution of **1,972,776.00 euros**, has been launched with the aim of developing innovative and accessible solutions for green and sustainable architecture. Coordinated by Industrie Cotto Possagno SPA, the project involves international partners and is part of the LIFE program, which aims to support projects for **climate and environmental action**.

The main goal is to **improve the quality of life in cities** and contribute to the fight against **climate change**. LIFE CAPT-TILE will introduce new technologies for creating **green surfaces**, such as **roofs and facades, capable of absorbing CO<sub>2</sub> from the atmosphere and filtering pollutants**.

LIFE CAPT-TILE, whose full name is "CO<sub>2</sub> CAPTuring from nature-based building TILES," will last **48 months, starting on June 1, 2024, and ending on May 31, 2028**.

The project focuses on integrating innovative terracotta tiles with urban greening systems capable of hosting a layer of "mineral soil" that allows plants to grow on green surfaces, such as roofs and facades, contributing to **CO<sub>2</sub> capture from the atmosphere**.

The solution, designed to be lightweight, modular, and easy to install, aims to significantly reduce installation and maintenance costs, making green roofs and facades accessible even for residential buildings and low-income settings.

The new technologies will be tested in two real-life installations: a green roof and a green facade, to demonstrate their feasibility and effectiveness.

The project involves a consortium of partners from **Italy and Poland**, including Industrie Cotto Possagno SPA (Italy), Officine Smac SPA (Italy), Università Politecnica delle Marche (Italy), Consiglio Nazionale delle Ricerche (Italy), Bergamo Tecnologie SPZOO (Poland), and Azienda Territoriale Edilizia Residenziale della Provincia di Padova ATER (Italy).

LIFE CAPT-TILE represents a concrete response to the need for greener and more sustainable cities. Each roof will be capable of absorbing several kilograms of CO<sub>2</sub> and dust per year, improving air quality and creating new habitats for native flora and fauna, contributing to the conservation of urban biodiversity. Additionally, the introduction of green spaces will help improve the psychophysical well-being of citizens.

The project will receive support from the **European Executive Agency for Climate, Infrastructure, and the Environment (CINEA)** throughout its 4-year duration.

With total funding of over 3.2 million euros, the project represents a significant step toward the creation of resilient and sustainable cities, benefiting the environment and public health.

## Contacts:

Contact details

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