



+ EARTH +

Carbon Credit Services



Industrialising hemp for mainstream low-carbon construction

Isohemp (Belgium)

About the activity

- Uses only **hemp, lime and water** to create healthy, high-performance envelopes.
- Blocks naturally regulate heat, humidity and sound for **long-term indoor comfort**.
- Production relies on **air-drying with no heat**, achieving zero emissions and zero waste.
- Current output equals **1 hemp house/day**, supporting both new builds and renovations.

What makes it unique?

- Built on **short, local supply chains** with low-impact, pesticide-free hemp.
- Operated in a **state-of-the-art factory** powered partly by **solar** and **full water recycling**.
- Factory designed to scale toward **5 hemp houses/day as demand grows**.
- Recognised across Europe with multiple **certifications** and **technical approvals**.

Why carbon finance?

- Carbon credits enable IsoHemp to **triple its production capacity** within 5 years.
- **Supports** expansion of energy-efficient, **low-emission production**.
- Funding lowers manufacturing costs and retail prices, **accelerating its adoption**.
- **Competes** with cheaper, conventional construction materials.



Methodology

Biobased Construction Materials

About

Buildings are responsible for 21% of global greenhouse gas emissions, driven by energy use and the production of materials like cement and steel.

Biobased construction materials offer a sustainable alternative, derived from renewable sources with lower carbon footprints. These materials can store carbon for over 100 years and replace high-emission materials in construction.

The Rainbow methodology focuses on quantifying the carbon impact of biobased materials in building projects.

