

# WKI meets YcoLabs

Finishing of an organic material as a thermal building insulation.

## The Project

Current insulation materials have a bad carbon footprint, so building companies and insulation manufacturers in the global market are looking for sustainable alternatives.

The solution is a green and recyclable insulation material, made of secondary agricultural resources interconnected through fungal mycelium for use in thermal insulation composite systems – future proof.

Therefore the B2B market of building industry especially manufacturers of tiny houses, insulation or thermal insulation composite systems.

A finishing of an organic material without environmentally harmful additives - the application of the patent is applied to achieve an unfair advantage.

## The Team

**Location:** Fraunhofer WKI; YcoLabs (Startup) from Braunschweig

**Members:** Dr. Steffen Sydow (WKI), Henrik-Alexander Christ (WKI), Robin Scharf (YcoLabs), Miriam Ritter (YcoLabs)

## The Business Model

**Unique Selling Proposition:** A sustainable insulation material without additives.

**Unfair Advantage:** Patent, Science-Startup Tandem, Market access (insulation manufacturers, construction companies)

**Revenue Model:** Production, sales

### Venture Readiness Level



### Technology Readiness Level



## The Side Facts

**Customer Focus:** B2B

**Searching For:** Mentors (Material Development), (Pilot-) Customers, Grants, Business Angels

**Industry Tags:** Construction & materials, chemistry,

**Technology Tags:** Circular economy, new materials, zero waste, bioengineering