

## OKIMA

Our plastic-free, eco-friendly face mask stimulates the collagen production by complete absorption of the mask material into the skin without creating waste.

## The Project

Available cosmetic products that counteract skin ageing have no - scientifically recognized - long lasting positive influence on the ageing of the skin. Fat or body's own biopolymers containing, "anti-ageing"-creams only inflate the skin in the short term. There exists no "zero waste"-product for a lasting reduction of wrinkles as well as a permanent tightening of the skin. Our products are nonwoven cosmetic pads preferable applied on the face skin, which - after activation with a tenside solution - completely dissolves (no waste) into natural ortho-silicic acid (oSA) within minutes. The oSA overcomes the epidermal skin barrier, actively stimulates the collagen production in the connective tissue layers and thus significantly minimizes signs of ageing of the skin. The preferably addressed billion market segment of anti-aging products, which are sold in drugstores and are applied in cosmetic studios, is growing by about 2-3% annually.

## The Team

**Location:** Fraunhofer Institute for Silicate Research ISC / TLC-RT

**Members:** Bastian Christ (Senior Scientist), Jörn Probst (Head Biomaterials), Sofia Dembski (Head Biomaterials)

## The Business Model

**Unique Selling Proposition:** Eco-friendly, plastic-free, long-term regenerative, ortho-silicic acid booster effect, 100% bioresorbable during application

**Unfair Advantage:** A basic material patent has already been granted.

**Revenue Model:** production., R&D, consulting

### Venture Readiness Level



### Technology Readiness Level



## The Side Facts

**Customer Focus:** B2B

**Searching For:** Customer, expert interview partners, co-founders, investors, mentors

**Industry Tags:** Health care, materials, personal & household goods

**Technology Tags:** New materials, zero waste