

SILens

Non-invasive illumination solution for surgeries at the inner eye

The Project

SILens is a completely new approach to illuminating the inside of the eye during surgical procedures. Until now, illumination is provided by light guides that are manually inserted and held in the eye by the surgeon. SILens, on the other hand, illuminates the inside of the eye by means of a special contact lens that is simply placed on the eye and contains small light sources. SILens is non-invasive and thus avoids infections, complications and damage to the eye, protecting both surgeon and patient.

The Team

Location: Fraunhofer IBMT, Sulzbach + external entrepreneur

Members: **Andreas** Schneider-Ickert, Thomas Velten, Markus Michel, Peter Vermeulen

AHEAD Infos Batch: 2 /2023 Phase: 1 Track: Undecided

The Business Model

Unique Selling Proposition: Non-invasive illumination solution which reduces severe risks and complications during eye surgeries

Unfair Advantage: Relevant secret knowhow and background IP in miniaturized electronics and lens design & manufacturing

Revenue Model: Sales of medical device

Venture Readiness Level



Technology Readiness Level



The Side Facts

Customer Focus: B2B

Searching For: Expert interview partner (venture options at Fraunhofer)

Industry Tags: Health care

Technology Tags: Medical devices