TECHNOLOGY SEEKS APPLICATION

@FRAUNHOFER VENTURE COLAB

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TECHNOLOGY SEEKS APPLICATION

At Fraunhofer, we develop innovative technologies every day, which are just waiting to **be applied**!
That's why we are looking for **innovative companies** that want to take their products to the next level by using **Fraunhofer technology**.
And best of all: We accompany the companies **from matching up to technology transfer**!

TECH - MATCHING

We search for the perfect technology for your individual high-tech needs.

EXPERT - TALK

We connect you personally with our researchers to evaluate whether Fraunhofer technology is right for your specific application.

ACCELERATOR

We offer methodological, financial and long-term support through the Fraunhofer Venture CoLab.

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DEVELOP TOGETHER WITH FRAUNHOFER

INNOVATIVE PRODUCTS OF TOMORROW!

"Technology seeks application " - a selection of more than 1000 high-tech innovations waiting to be successfully integrated into your product!

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TECHNOLOGY SEEKS APPLICATION: **ENERGY EFFICIENT THERMOTROPIC FILMS**

SELF-REGULATING HEAT AND SUN PROTECTION

MORE INFO ABOUT THE TECHNOLOGY
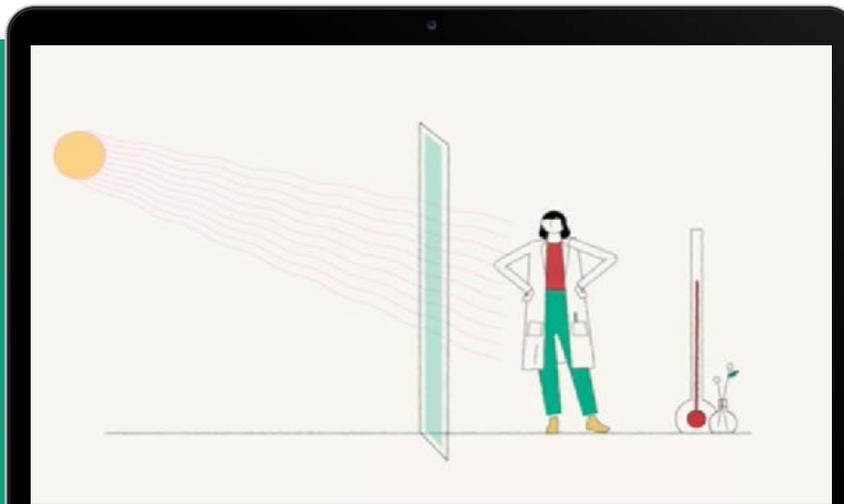
DESCRIPTION :

Glaring sunlight and overheated rooms - a remedy can be a special film, which is stuck between the windowpanes and takes over the heat regulation.

AREAS OF APPLICATION:

Buildings, glass roofs, greenhouses, automobiles, decoration...

HOW CAN THIS TECHNOLOGY IMPROVE YOUR PRODUCT? AN IDEA? PLEASE CONTACT US COLAB@FRAUNHOFER.DE

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TECHNOLOGY SEEKS APPLICATION: **CARDIOTEXTIL - FOR ADDITIONAL SAFETY**

TEXTILE MULTICHANNEL ECG FOR MOBILE USE

MORE INFO ABOUT THE TECHNOLOGY
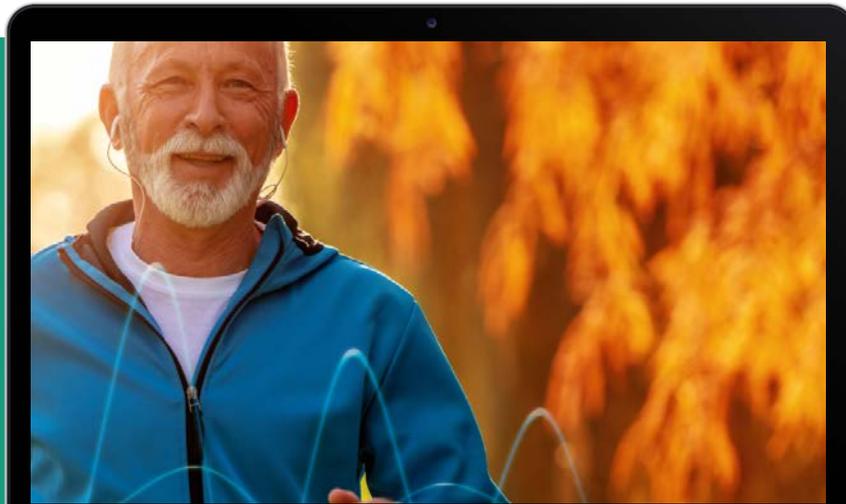
DESCRIPTION:

Many heart diseases are often not detected in time. The "CardioTEXTIL", a mobile multi-channel ECG, helps to detect changes in the coronary arteries at an early stage and effectively prevent heart diseases.

AREAS OF APPLICATION:

Health, fitness, diagnostics...

HOW CAN THIS TECHNOLOGY IMPROVE YOUR PRODUCT?
AN IDEA? PLEASE CONTACT US COLAB@FRAUNHOFER.DE

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TECHNOLOGY SEEKS APPLICATION: **AFFORDABLE PROSTHETICS FOR ALL**

NEW TECHNOLOGIES FOR COST-EFFICIENT AND AVAILABLE PROSTHETICS

MORE INFO ON REQUEST

DESCRIPTION:

90% of those in need of a prosthesis live in poorer countries, who became victims of natural disasters or wars. Our technology enables a cost-efficient, individually customizable, waterproof and high-quality prosthetic foot.

**AREAS OF APPLICATION:**

Orthopedic technology, medical technology …

HOW CAN THIS TECHNOLOGY IMPROVE YOUR PRODUCT? AN IDEA? PLEASE CONTACT US COLAB@FRAUNHOFER.DE

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TECHNOLOGY SEEKS APPLICATION: **DIGITAL FINGERPRINT OF COMPONENTS**

CALCULATION OF DIGITAL FINGERPRINTS FROM SURFACE TOPOLOGIES

MORE INFO ON

REQUEST
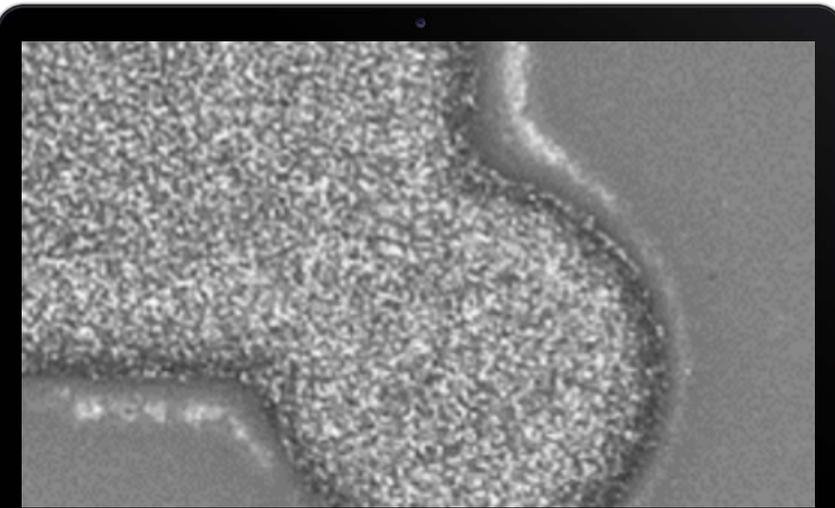
DESCRIPTION:

The technology enables the identification of component specimens - similar to a fingerprint. No application of a label is required; this saves process steps and costs and makes previously unmarkable parts identifiable. The process is robust, fast and scalable.

AREAS OF APPLICATION:

Single tracking in production and logistics, monitoring, maintenance, recycling...

HOW CAN THIS TECHNOLOGY IMPROVE YOUR PRODUCT?
AN IDEA? PLEASE CONTACT US COLAB@FRAUNHOFER.DE

TECHNOLOGY SEEKS APPLICATION: **QUANTUM CASCADE LASER**

MINIATURIZED, SPECTRALLY BROADLY TUNABLE QUANTUM CASCADE LASERS

MORE INFO ABOUT THE TECHNOLOGY

DESCRIPTION:

The quantum cascade lasers have central wavelengths in the range of 4 - 11 µm and can be tuned over a wide spectral range. This makes everything possible, from remote detection of explosives to measuring chemical reaction processes in aqueous liquids.

AREAS OF APPLICATION:

Medical technology, environmental analysis, food control, ect.

HOW CAN THIS TECHNOLOGY IMPROVE YOUR PRODUCT? AN IDEA? PLEASE CONTACT US COLAB@FRAUNHOFER.DE

TECHNOLOGY SEEKS APPLICATION: **TIEFBOHRHAMMER TURBODRILL**

Percussion drilling tool for hard rocks and great depths

Innovative Bohrverfahren - Fraunhofer IEG

DESCRIPTION:

Deep drilling, tunnels, geothermal energy; foundations and footings : the Turbodrill drill hammer guarantees fast, safe, successful drilling at all depths with high economic efficiency.

AREAS OF APPLICATION:

Mining, foundation engineering, civil engineering, geothermal energy, horizontal drilling and pipeline construction, oil and gas drilling

HOW CAN THIS TECHNOLOGY IMPROVE YOUR PRODUCT?
AN IDEA? PLEASE CONTACT US COLAB@FRAUNHOFER.DE

System to generate digital twin of warehouses
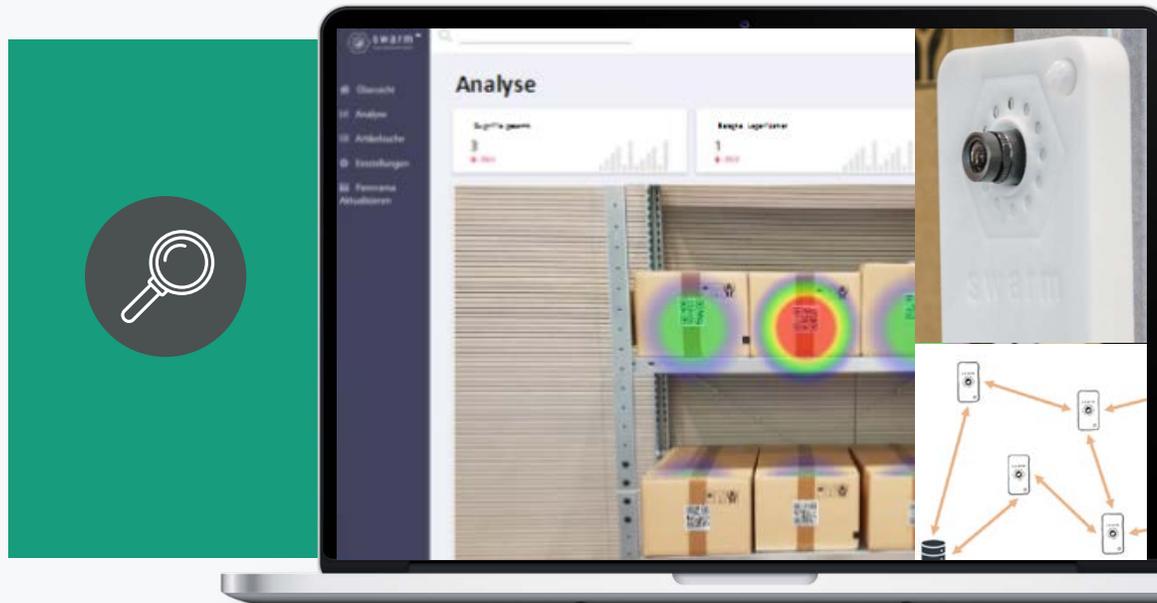
DESCRIPTION:

Swarm is a easy to set up mesh network of various sensors to create a digital twin of warehoueses. Get full transparency about warehouses.

AREAS OF APPLICATION:

Logistics, warehousing, tracking of valuable goods

HOW CAN THIS TECHNOLOGY IMPROVE YOUR PRODUCT? AN IDEA? PLEASE CONTACT US COLAB@FRAUNHOFER.DE

OUR MATCHING SERVICES

BENEFIT FROM OUR FREE MATCHING SERVICE.

YOUR TECHNOLOGY NEEDS

Are you part of a DeepTech startup and need a specific technology for your product?

OUR MATCHING SERVICE

Fill in your Matching Request and we will find the right technology for you.

YOUR COOPERATION PROJECT

We bring you together with suitable researchers and support you within the framework of the Fraunhofer CoLab until technology transfer.

NO TECHNOLOGY AVAILABLE FOR YOUR PRODUCT?

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FURTHER QUESTIONS?

Please contact us:
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www.fraunhoferventure.de/colab

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