



Husky *sense*

Accessible motion  
capture, tailored to  
your specific needs

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Husky Sense SIA, 2023  
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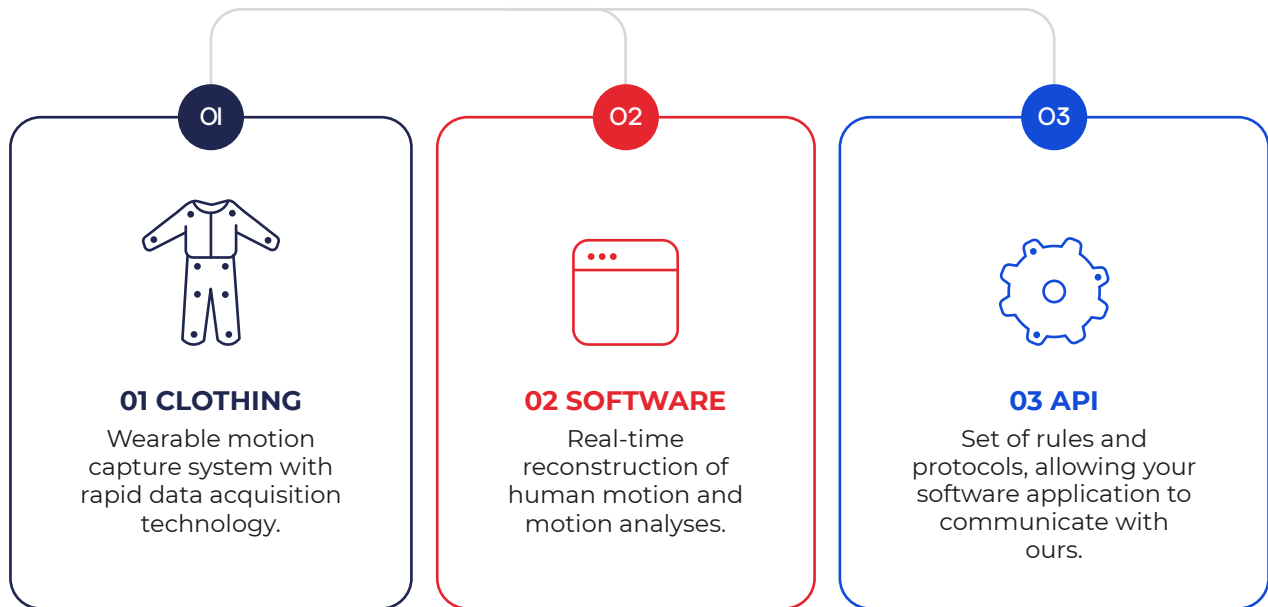
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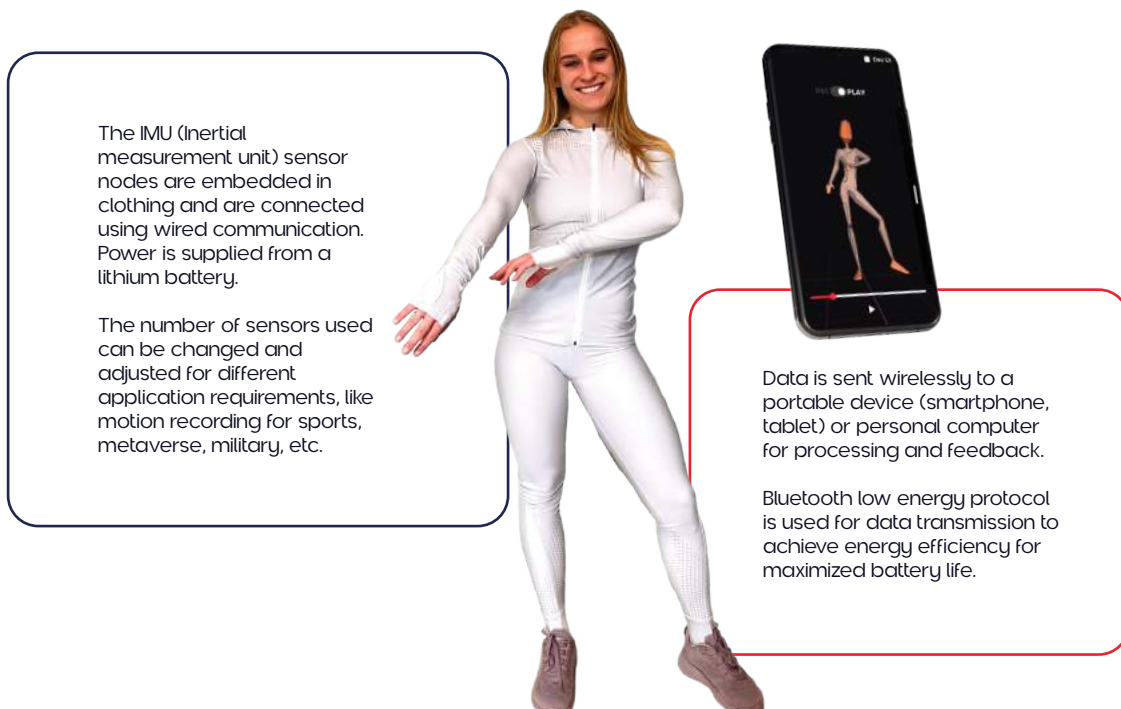
« Motion capture technology has revolutionized the way we create and experience digital content, bridging the gap between the physical and virtual worlds and enabling endless possibilities for storytelling, gaming, and beyond. »

## ABOUT US

We are a smart Wearable Technology company, aiming to ease movement analysis and recording in real-time across various platforms and use cases. The overall technology consists of three main parts.



## How does our system work?



## Key Components



### 01 CLOTHING

Two-piece stretchable and washable clothing with integrated sensors.



### 02 IMU SENSORS

The coin-sized IMU sensor nodes are embedded in clothing and are connected using wired communication.



### 03 WIRED COMMUNICATION

There are 18 sensors, but the number of sensors used can be changed and adjusted for different application requirements, like motion recording for sports, metaverse, military, etc.



### 04 PORTABLE DEVICE

Data is sent wirelessly via Bluetooth low energy protocol to a portable device (smartphone, tablet) or personal computer for processing and feedback.



### 05 LOCAL PROCESSING

Data is gathered from sensors to the master board via wires using custom SPI protocol.



### 06 AVATAR RECONSTRUCTION

Python Library for integration in Unity applications and avatar reconstruction.

## Where to Use Motion Capture?

### HEALTHCARE

Motion capture wearable to monitor, record, optimize and analyze a person's exercises, rehabilitation, and health.

### GOVERNMENT

Motion capture wearable to help monitoring center to monitor and analyze first responders and military personnel's health in dangerous environments, such as battlefields, burning buildings, etc.

### ENTERTAINMENT

Motion capture wearable to create real-time, personalized avatars as a digital twin to then be implemented in Metaverse, games, and online fashion.

## How are we different?

### FAST DATA TRANSFER

Real-time low-energy motion reconstruction starting from 50 fps.



### VALUABLE DATA

Movement analysis and 360° visualization, including a comparison of movements from multiple people.



### EASY TO CHARGE

Minimized wireless interference as opposed to multiple wireless sensor nodes – meaning, you don't have to charge each sensor separately, and the setup is faster.



### FAST SETUP

All the sensors are fixed in washable clothing, so it's not complicated to put the apparel on and wear it. It takes less than 3 minutes to set everything up.

Separate sensors don't need to be attached or charged individually.



### WEAR EVERYWHERE, LITERALLY

We are fully mobile and not affected by the environment, lighting, etc. thus no external setup is needed, such as cameras, beacons, etc.



# Let's Collaborate

Our team of experts is dedicated to helping businesses and organizations explore the potential of new technologies and solutions. Whether you're looking to validate an idea, test a hypothesis, or simply explore the feasibility of a new product or system, we are here to help. Here's overall steps to get started on POC project:

