Company Overview

INTRODUCTION

Interactive Wear builds leading software and hardware platforms for sensor data acquisition and analysis, including Edge-AI for real-time and real-life monitoring.

Based on the platforms we develop for companies, institutions and universities mobile and wearable multi-sensor systems for IoT, body monitoring and motion tracking applications.

We cooperate with our customers and partners in data science projects to derive new meaningful data-insights and metrics. For data collection and analysis projects, we provide ready-to-use systems.

AT A GLANCE

FOUNDED	2005
PROJECTS REALIZED	200+
RESEARCH PROJECTS	20+

PRODUCTS

MHX MOTION ONE	The Single Sensor Data Acquisition System for Mobile and Wearable Applications – Economic System for Motion Data Projects → Acquire, integrate, secure and transmit 9-axis motion data
MHX FUSION	The Multi Sensor Data Acquisition System for Mobile and Wearable Applications – Flexible System for Data Fusion Projects → Acquire, integrate, secure and transmit vital, motion and environmental data
MHX PLATFORM	The Basic Sensor Data Acquisition Platform for Development of Custom Specific Products – Derive your Product from the MHX Platform → Adjust the platform to your needs; add new sensors, define the carrier systems, evaluate the prototype and its results, define the production parameters
DATA STUDIO	The Mobile Data Analysis Tool for Acquired Vital, Motion and Environment Data – Machine Learning System for Efficient Edge-AI-Algorithms → Analyze, label, consolidate and secure the acquired data any time and any place
SMART-TEX	The Smart Textiles Components to Implement the Appropriate Integration for Sensing and Actuation Systems → Use flexible and robust textile cables, light-weighted and flexible textile heating materials, connectivity technologies

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OVERVIEW

At Interactive Wear, we build Edge-AI software and hardware platforms for sensor data acquisition and analysis for real-life monitoring. We offer preconfigured systems ready-to-use in data science projects, where our AI experts and data scientists work closely with our customers on data acquisition and analysis. Our platforms can be adapted to specific customer requirements for the development of commercial systems. The projects are carried out in an agile manner and deliver the results right from the start.

Our systems collect and process data in real time anytime and everywhere without any additional infrastructure. They can be integrated into textiles (e.g. shirts or uniforms) with the use of Smart Textiles components, molded or as housed devices, e.g. badges.

Today, our projects are still tackling some of the most difficult integration and technology challenges and delivering new real-time data insights quickly. Together with customers and partners, we can transform data into relevant information in the following areas:

Activity Tracking	Body Monitoring in Harsh Environments	Environmental Influence on the Body	Stress and Workload Management
Fitness Tracking and Exercises	Motion Tracking and Training	Analytics, Modeling, & Exploration	Predictive Maintenance

USP → IMPACT

- ⌃ Agile and productive project proceedings → tangible results after every project phase
- ⌃ Assessment of new technologies, feasibility studies -> affordable innovation through fast integration of new technologies e.g., sensors, protocols, methods
- ⌃ Cooperative and open approach → customers can easily integrate our sensor data, including raw data, into their applications
- ⌃ Distributed, flexible, modular architecture → easy to adapt to specific goals and needs
- ⌃ Efficient AI-algorithms for Body Monitoring and Activity Recognition → customers have access to a powerful library of AI-Algorithms
- ⌃ Proven experience in smart textiles projects for first responder
- ⌃ SW and HW platforms ready for customizing → fast prototyping and data project execution
- ⌃ 20 years' experience in Smart Textile Products and Wearable Solutions → variable integration components and methods

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