

Contact

Technical University of Ostrava
17. listopadu 2172/15
708 00 Ostrava – Poruba
info.cbe@vsb.cz

Partners:



Fakulta
tělesné kultury



VYSOKÁ ŠKOLA
CHEMICKO-TECHNOLOGICKÁ
V PRAZE



Univerzita Tomáše Bati
Fakulta managementu a ekonomiky



DEVELOPMENT OF A SYSTEM FOR MONITORING AND EVALUATION OF SELECTED RISK FACTORS OF PHYSICAL WORKLOAD IN THE CONTEXT OF INDUSTRY 4.0

[instagram.com/kkbi.vsb.cz](https://www.instagram.com/kkbi.vsb.cz)
[facebook.com/kkbi.vsb.cz](https://www.facebook.com/kkbi.vsb.cz)



Duration:
04/2021
03/2024

The goal of the project is to develop new technology and equipment increasing the level of automation of evaluation of selected risk factors of physical workload in the context of Industry 4.0. The novelty of this solution resides in the type and complexity of the collected and processed biometric and ergometric data and the possibilities of signal evaluation. The novelty of technology lies in the use of the developing network of the Internet of Things (IoT) and sensory technologies and it is ready for the networks of near future, for example 5G. The product is considered to be the development of new technology, equipment with related SW including the methodology of use. It covers also the aspects of safety at work in relation to collaborative robotics.

SUPPORTED BY
TAČR TREND

PROJECT NUMBER
FW03010194