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Research

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Xsens research

To push further the boundaries of 3D motion tracking and to enable next generation of products, Xsens participates as partner in selected (typically EU funded) research projects.

Collaboration

Collaboration:

RunnerAssist



Partners:

- [RRD](#)
- [Sensorun](#)
- [Trimm](#)
- [Xsens](#)

Project description:

RunnerAssist is a project is funded by European Union within the European fund for regional development (ERDF). RunnerAssist was launched in 2017 and has a duration of 3 years with a total budget of 2.4M euro of which 960K euro funding is provided by the EU. The project aims at developing a wearable measurement system to monitor running technique and to provide feedback to the runner during and after the activity with the goal to increase performance and reduce injuries. Compared to other available systems, RunnerAssist distinguishes itself through the personal approach by extracting and providing feedback based on individual runner data and personalized parameters. The consortium consists of Roessingh Research and Development BV, Sensorun BV, Trimm BV, and Xsens BV, supported by Demcon Advanced Mechatronics. Project website: www.runnerassist.com

AnDy



- [Istituto Italiano di Tecnologia](#)
- [Institut national de recherche en informatique et en automatique](#)
- [Institut Jožef Stefan](#)
- [Deutsches Zentrum für Luft- und Raumfahrt](#)
- [Xsens](#)
- [IMK automotive GmbH](#)
- [Otto Bock HealthCare GmbH](#)
- [AnyBody Technology](#)

AnDy (Advancing Anticipatory Behaviors in Dyadic Human-Robot Collaboration) is a project funded by the European Union within the Horizon 2020 Research and Innovation Programme. AnDy was launched in January 2017 with a duration of 4 years with a total funding volume of 3.9 M Euro. Recent technological progress in robot physical interaction permitted robots to actively and safely share with humans a common workspace. Leveraging these technologies, AnDy aims at strengthening the European leadership in the robotic market by endowing robots with the ability to control physical collaboration through intentional interaction. AnDy will innovate the way of measuring human whole-body motions developing a wearable force and motion tracking technology (AnDy suit), and proposing technologies to learn cognitive models of human behavior in collaborative tasks (AnDy model) and to help humans through predictive physical collaboration (AnDy control). Project website: <https://andy-project.eu/>

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