

Cooperation Profile

Date of Submission: 11-10-2023

With this form you have the opportunity to present yourself as a cooperation partner (cooperation offer) for a current call topic in Cluster 4 (Destinations 1-4 and 6). Once cleared, your cooperation profile will be linked to our website and will be able to be viewed by others seeking prospective partners. You also have, of course, the ability to browse the profiles of other researchers looking for partners in order to form one or more project consortia (partner search).

Please fill in the form and send it to Christof Haas at c.haas@fz-juelich.de.

Relevant topic(s) in the work programme (call identifier & name of the topic(s))

HORIZON-CL4-2024-DIGITAL-EMERGING-01-03 - AI-powered robots– step change in functionality (AI, data and robotics partnership) (RIA)
HORIZON-CL4-2024-TWIN-TRANSITION-01-05: Technologies/solutions to support circularity for manufacturing

Description of your expertise (up to 1000 characters)

Zimmer is one of the leading suppliers of pneumatic and electric handling components and systems in the world. In the field of intelligent gripping technology (mechatronic handling devices) for robotics (end-of-arm tooling), both cooperative and collaborative, we have always been one of the innovation drivers in our branch. Zimmer combines 42 years of experience, high flexibility, and a wide breadth of production. In the field of automation technology, Zimmer is active in the following technology areas:

Handling technology: Components such as swivel units, grippers and robot accessories as standard or semi-standard solutions.

Damping technology: Industrial and soft close shock absorbers for safely decelerating and breaking all types of movements.

Linear technology: Clamping and braking elements for positioning, holding and braking for a wide range of applications.

Machine tooling technology: Single components such as motor spindles, zero-point clamping and transport systems.

Process technology : Economic series production of products made from metal, plastic or elastomers.

System technology: Customer-specific solutions combined from all technology areas.

In the last 10 years Zimmer has successfully participated in several national and European research projects.

Keywords describing your expertise (up to 10 key words)

Gripping and Gripping systems, Gripper, Grasping, Handling devices, End-of-arm tooling, Robotic, HRC (human-robot-collaboration and / or cooperation), Cobots, Automation, Digital Twin

Organisation information

Organisation:
Zimmer Group

Type of organisation:

Industry (Large) Industry (SME) University or College Research Institute

Public Body Other

Previous participation in an EU project?

No Yes: in SOFTMANBOT

Web page:
<https://www.zimmer-group.com>

Description of your organisation:
 The family-run Zimmer Group is the world's leading manufacturer of automation solutions. Highly innovative products, a steady expansion of the portfolio and the procurement of new capacities, global infrastructures and job opportunities are at the core of an international expansion strategy that we have pursued for several years. As THE KNOW-HOW FACTORY, we accompany our customers worldwide in the age of digital transformation, on their way to technological leadership. We see ourselves not only as a technologically leading company and manufacturer of hardware and software from a single source, but also as a competent partner in research and development. The Zimmer Group stands for family business, passion, innovation, consistency, know-how and the vision of securing the growth of our customers as a future full-range supplier.

Contact details

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Declaration

I herewith declare that I am responsible for the content provided and that I expressly consent for this information to be published on the NCP DIT website
<https://www.nks-dit.de/service/kooperationsprofile>.

(Please note that a publication of your data will **not** be possible if this box is not ticked.)