

Slovenian company, specialized in the digitalisation of healthcare by making integrated diagnostics, is looking for help with a measurement challenge - measuring pressure under the toe cuff.

Summary

Profile type

Technology request

Company's country

Slovenia

POD reference

TRSI20250619001

Profile status

PUBLISHED

Type of partnership

Commercial agreement with technical assistance
Research and development cooperation agreement

Targeted countries

• World

Contact Person

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Term of validity

19 Jun 2025
19 Jun 2026

Last update

19 Jun 2025

General Information

Short summary

Slovenian company, founded in 2010, develops medical devices that enable integrated diagnostics and support the digitalisation of healthcare for early disease detection and improved medical assessment.

The company is looking for a partner to help them solve a measurement challenge – accurately measuring pressure under a toe cuff during the toe blood pressure measurement. Cooperation is sought through a Commercial agreement with technical assistance or Research and development agreement.

Full description

A Slovenian company specialised in the development and production of cutting-edge medical devices and digital solutions that improve clinical workflows and increase diagnostic accuracy.

Measurement challenge:

During blood pressure measurement on the toe, they occasionally encounter the problem of (in)complete occlusion of blood flow, despite the high pressure in the cuff (as indicated by their measuring device).

At the moment, they do not know exactly what the reason for this could be - perhaps the patient, a fold in the cuff, the

cuff material, a combination of the above, or something else.

However, the diameters of the cuffs are quite small, which additionally contributes to problems with placement or with folding during placement. The M size cuff is for toes with diameters from 1.75 to 2.71 cm, and the L size cuff is for toes with diameters from 2.71 to 3.66 cm. The M cuff is 2 cm wide, and the L cuff is 2.5 cm.

To better understand the cause of the problems they are facing, the company would like to measure the pressure distribution under the cuff to see if the pressure in the cuff is truly the same as the pressure that the cuff exerts on the toe.

Advantages and innovations

Technical specification or expertise sought

Type of Partner Sought: companies or research institutions that can offer help with the with measurement challenge – accurately measuring pressure under the toe cuff during the measurement.

The company would like to establish cooperation with any type of client that could help solving the mentioned problem.

Stage of development

Already on the market

Sustainable Development goals

- **Goal 3: Good Health and Well-being**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

IPR Notes

Partner Sought

Expected role of the partner

The partner is expected to provide the Slovenian company help with the measurement challenge - measuring pressure under the toe cuff.

Type of partnership

Commercial agreement with technical assistance**Research and development cooperation agreement**

Type and size of the partner

• SME 50 - 249**• Big company****• R&D Institution****• University****• SME 11-49****• SME ≤10**

Dissemination

Technology keywords

• 06005003 - Health information management

Market keywords

• 05007007 - Other medical/health related (not elsewhere classified)

Targeted countries

• World

Sector groups involved