

EXPRESSION OF INTEREST (EOI) **MANUFACTURE, INSTALLATION AND MAINTENANCE OF ELECTRONIC EQUIPMENT AND/OR SPECIALISED HEALTH AND SAFETY SERVICE PROVISION**



CLOSING DATE FOR APPLICATIONS: FRIDAY, 31 JANUARY 2025 AT 17:00.

The project involves a system of deployable Internet of Things (IoT) devices with data management and reporting back-end designed to monitor indoor environments in high-risk spaces for the airborne transmission of diseases such as flu, Covid-19 and tuberculosis.

The project comprises a deployable device and an advanced data management system. This system is capable of real-time monitoring of environmental conditions in high-risk areas, determining bespoke operational risks and issuing real-time alarms and summary reports to occupational health and safety managers about potential airborne transmission risks, including estimated transmission rates.

The market potential is significant, with nearly 3 000 facilities across the country identified as suitable candidates for this system. Each facility is expected to require between three and ten devices, depending on its size. The CSIR presents opportunities for distinct licencing of the manufacture, distribution and maintenance of the devices, as well as account management.

Manufacturing partners should possess design and development capabilities as well as an ISO 9001-certified quality management system. Distribution and maintenance partners must provide evidence of a regional service network with a callout and job management system and be capable of efficiently managing and coordinating service calls and job assignments across different regions. Additionally, the client accounts manager should demonstrate PFMA proficiency and compliance, accounting practice transparency, budgeting and cost management, regulatory compliance, reporting and oversight.

The CSIR's role will focus on managing data and reporting to clients about the performance of their spaces. Additionally, the CSIR will assist clients with estate management and risk assessments.

FOR ALL QUERIES AND SUBMISSIONS, please contact **Dr Zenzele Ndlovu** at **smartplacesei@csir.co.za**.



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