A French technological SME is seeking partners to develop and deploy its wearable IoT/Cloud platform technologies through its professional smartwatch on 4.0/5.0 industry markets

Summary

Profile type	Company's country	POD reference
Technology offer	**France**	**TOFR20240221033**

Profile status	Type of partnership	Targeted countries
PUBLISHED	**Commercial agreement with technical assistance**	**• World**
	Research and development cooperation agreement	
	Investment agreement	

Contact Person	Term of validity	Last update
Noriko MITA	**13 Mar 2024**	**13 Mar 2024**
	13 Mar 2025	

General Information

Short summary

The French SME specialises in the development of its embedded IoT/Cloud platform integrated through its wearable professional smartwatch, providing an all-in-one solution to optimise industrial operations. This global solution is tailored to the specific requirements of demanding industries. It is open to commercial agreements with technical assistance and in research and development agrements with industries focused on advanced 4.0/5.0 solutions where its expertise can enhance ongoing projects.

Full description

The French company, founded in 2018, has developed an IOT platform integrating a combination of robust hardware, sophisticated software, data security, sector-specific customization, artificial intelligence, interoperability and field testing, ensuring an adaptive response to the complex needs of different targeted professional sectors.

The global solution is featuring advanced indoor/outdoor geolocation, real-time monitoring (data access and control), worker safety (lone worker protection), machine and device remote control, and secure communication (voice and text) and it covers :

- Physical Hardware and Embedded Software Product:

The company has engineered a rugged professional Smartwatch tailored for demanding professional environments. Featuring a spacious 2.4-inch touchscreen, operability with or without gloves, and an ultra-resistant textile strap, it ensures adaptability in various conditions. With compact dimensions and weighing 130g, it boasts durability with shock resistance (IK08) and IP67 waterproofing. The device integrates a 1800mAh battery for 24-hour autonomy and supports Wi-Fi, Bluetooth and RF connectivity. Precise geolocation is facilitated by a GNSS positioning system (GPS, GLONASS, GALILEO) and indoor positioning systems based on communication protocols.

- Cloud/IoT Platform:
Complementing the hardware, the company provides an IoT cloud platform ensuring secure data management and storage. Data sovereignty options, including hosting in France or Europe, are offered. This platform enables bidirectional integration between the physical product and cloud services, ensuring seamless functionality and data accessibility.

- Custom Development Capabilities:
Leveraging a proprietary OS, firmware and embedded app, the company offers sector-specific customization through embedded applications tailored for 4.0/5.0 industries. Advanced features like data connectivity, geolocation, secure communication, and remote control enhance operational efficiency. Artificial intelligence can be used to augment decision-making processes, while interoperability research ensures compatibility with existing IT systems. Through field testing and user feedback collection, continuous optimization is facilitated. The company emphasizes sustainability and scalability, with ongoing research into product durability and the potential for software updates to extend functionality over time.

Taken into account the potential of the developed solutions, the French company is actively seeking strategic partners to collaborate on the deployment of tailored solutions, bringing unparalleled technological innovation to the 4.0/5.0 industrial sector.

Advantages and innovations

The IoT platform and professional smartwatch solutions revolutionize the professional landscape with their seamless integration, unparalleled connectivity, advanced security features, remote control capabilities, rugged design, data sovereignty, and intelligent data management. This all-in-one solution eliminates the need for disparate systems, ensuring swift access to real-time data, enhanced safety measures, operational efficiency, and robust data protection. Developed and manufactured in France, it offers businesses complete control over their information, making it a cutting-edge and highly advantageous solution in the professional sector.

Technical specification or expertise sought

Stage of development

Available for demonstration

Sustainable Development goals

• **Goal 12: Responsible Consumption and Production**

• **Goal 17: Partnerships to achieve the Goal**

IPR Status

Secret know-how

Partner Sought

Expected role of the partner

Type of partners sought :
- Connected 4.0/5.0 industries / smart factories: Metallurgy, Robotics, Automotive, Aerospace, Mining, Energy, Gas and Oil, Construction…
- Connected industries service providers: IT, Electronics, Connectivity, Safety, Security, Smart factory equipment manufacturer, professional wearables provider, …

The role of the partner in the collaboration with the company involves participating in phased product experimentation, which includes testing a few prototypes in real-world scenarios. Partners contribute by providing valuable feedback and insights during the field testing phase. Additionally, they may engage in co-development activities to tailor the product to specific and customized requirements, ensuring optimal alignment with their sector's needs. This partnership model fosters mutual learning, refinement of features, and the co-creation of innovative solutions tailored to address real-world challenges effectively.

Type of partnership

Commercial agreement with technical assistance

Research and development cooperation agreement

Investment agreement

Type and size of the partner

• **SME 11-49**

• **Big company**

• **SME <=10**

• **SME 50 - 249**

Dissemination

Technology keywords

• **01003014 - Internet Technologies/Communication (Wireless, Bluetooth)**

• **01003018 - User Interfaces, Usability**

• **01003022 - Smart Appliances**

• **02009008 - Navigation and embedded systems**

• **01003025 - Internet of Things**

Market keywords

• **08003007 - Other industrial equipment and machinery**

• **03007002 - Other measuring devices**

Targeted countries	Sector groups involved
• **World**	• **Health**
	• **Electronics**