

# COVID-19: Wearable front-line medical operators communication system

- **SCHEDA**
- **APPROFONDIMENTI**

Identificativo proposta: TOIT20200402001

**RICHIEDI MAGGIORI INFORMAZIONI**

An innovative Italian company has developed a communication platform integrated with wearable devices to support front-line medical operators (nurses, triage-pretriage operators, care-givers) to communicate with a centralized medical center or to collect patients vital parameter, with full hands free approach. The company is looking for partners for commercial agreements with technical assistance to enhance the use of the platform in hospitals, local health authorities and private biotech firms.

An innovative Italian company specialized in intuitive Mixed and Augmented Reality solutions needed to more effectively train employees and improve efficiency, safety, and accuracy in mission-critical context, has developed a communication platform integrated with wearable devices to support front-line medical operators (nurses, triage-pretriage operators, care-givers) to communicate with a centralized medical center or to collect patients vital parameter, with full hands free approach. The company is looking for partners for commercial agreements with technical assistance to enhance the use of the platform in hospitals, local health authorities and private biotech firms. The system is a Hands Free collaborative platform, that thanks to the integration with an easy2use smart glasses, enables "front-line nurses" to get in touch with a centralized medical center as well as having access to triage procedures, or even collecting patients vitals, without having direct contact with patients themselves. Moreover, thanks to the unique multiservice approach, the same system can be used to provide guidelines to remote patients for self-checkup, improving the capability to discharge caregiving activities from hospital by leaving patients at home. In the specific case of COVID-19 emergency, the system can support in 5 different fields, that have already been tested for the emergency in China. ● Proctoring – The system allows real time, and asynchronous, recording from the nurses' perspective to allow first-hand observation, reducing the need for proctors to be on-site at all times. ● Rounding / Consulting / Teaching - With System "store and forward," recording capability, new caregiving procedures can be disseminated quickly. Real time streaming can also assist providers during patient rounds with off-site specialists. ● Thermal imaging - Hands-free infrared thermography helps screen for elevated body temperatures, which may indicate the presence of a fever, all without requiring the use of the hands. The screener can remain mobile and protected to avoid infected parties entering clean zones by using just his voice. ● Patient vitals collection / Procedures – The system allows front-line nurses' to follow triage procedures with hands free approach, by certifying any single activity and automating patient vitals collection. ● Patient Self-checkup – The system frontend is also available in touch version, to provide remote patient in app-dedicated checklists to share with the centralized medical center their health status.

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