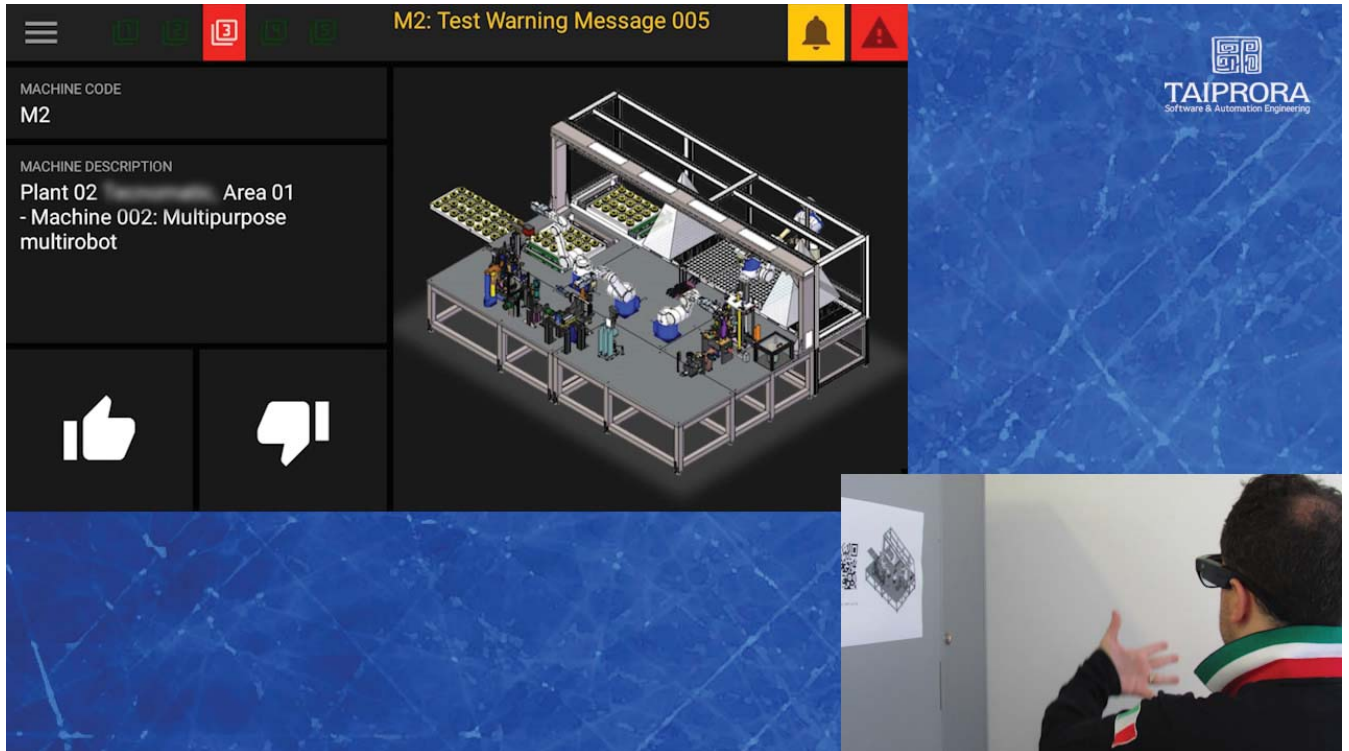


Industrial augmented reality system through Smartglass

We have developed this Android AR application for the Dubai plant (EAU) of a well-known multinational company operating in different sectors of chemistry, personal care and food and beverage.



The operator reading the barcode of the machine through the smartglass camera can access the available features such as maintenance, the status of the sensors, the maintenance operations to be carried out. Moreover, the smartglass alerts in real time on the presence of warnings or alarms inside the system.

The system is based on the use of **SMART GLASS for monitoring the process, production and maintenance.**

The operator through "the goggles" has the possibility, being in motion and being able to use both hands for his normal functions, to have more information on production in general and on specific machines in particular.

This means considerable time savings and particularly useful report processing flexibility.

We can speak of a step towards what many scholars define **Augmented Intelligence**, that is, a further step towards the future of Artificial Intelligence.

In fact, the *smart glass device* ODG R7 provides the operator with all the information he needs at that moment and is integrated with a system capable of learning directly from the machine (*machine learning*).

Each operation can be controlled by an advanced **gestures recognition system**, in order to give commands and control every function of the smart glass with simple hand movements.



If we add that the **smart glass are equipped with a camera, microphone and connection to both the internet** and other systems (for example to access specific databases, consult manuals or video tutorials or even give life to a *videocall to request assistance and be guided step by step - step by a remote operator*) we understand what the functionality and the innovativeness of this system are.