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SUEZ AND BOUYGUES CONSTRUCTION TEST THE FIRST MODELS OF ANOBI[®], A DIGITAL ASSISTANT FOR OPERATORS IN BUILDING AND INDUSTRY

ANOBI[®] is the only connected device of its kind on the world market, jointly designed by SUEZ and Bouygues Construction with the aim of making it easier for operators to report data from the field. Unlike a conventional smartphone, ANOBI[®] is a robust device. The terminal is resistant to projections and can be used while wearing safety gloves. The screen has been specially designed to be read easily in all possible outdoor conditions, even the most extreme. These technical features combined with its extended battery life make this new piece of equipment an effective response to the demands and constraints of the field, to safety requirements and to the need for performance shared by all players in industry.

In 2017, after partnering up for two years within the Ideas Laboratory[®] alongside Air Liquide and the CEA¹ on developing the concept and prototypes of several smart devices for field operators, SUEZ and Bouygues Construction 's R&D focused on developing ANOBI[®], a connected sleeve. Both groups had identified numerous obstacles to the use of conventional smartphones by operators in the field, such as the need to remove safety gloves to consult them or to enter data in their applications, difficulties in reading the screen depending on outside light, and fragility if exposed to projections. In partnership with E-Lab, the Bouygues group's innovation lab, and the company TXCUBE, SUEZ and Bouygues Construction decided to work on the design and manufacture of an innovative connected device to meet the needs of numerous players in the industrial sector.

ANOBI[®] is ergonomic and is worn on the operator's forearm. The user has freedom of movement and can carry out routine tasks without being hindered and can consult the applications loaded on the terminal at any time. The E-Ink[®] technology (black and white) which has been selected for the screen ensure optimum legibility, whether in complete darkness or in bright light. The standout feature of ANOBI[®] lies in its compatibility with wearing safety gloves thanks to six push buttons, including one specifically for emergency calls for operators working alone. The operator can also use the "camera" feature to report a situation in real time. QR code, NFC and RFID scans are also available. As a result of a series of tests and improvements implemented over several months, the model is resistant to liquid and material splashes, as well as to extreme temperatures (-10C to +50C) without affecting the battery's autonomy.

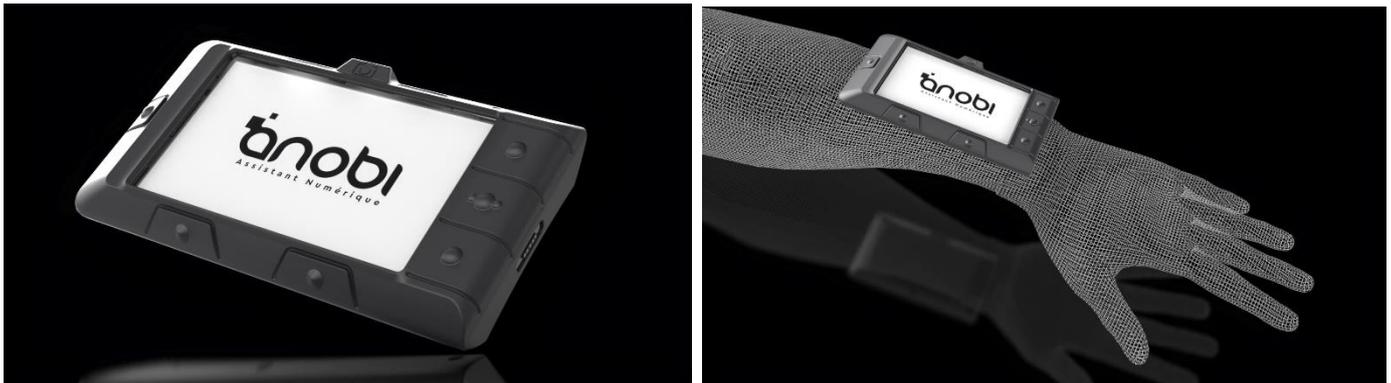
Both SUEZ and Bouygues Construction have already adopted the device for many of their activities. SUEZ is currently trialling it in the cities of Bordeaux and Dijon and in the Paris region, to obtain real-time data such as the number of litter bins collected per day, their location, their filling rate, the quality of waste sorting, the need to replace street furniture, etc. This data collected enhances activity tracking and performance, benefiting teams in the field and their customers. On Bouygues Construction sites for the Saclay BPC Centre and in Bobigny, ANOBI[®] simplifies management of supplies of materials, with QR codes for reading delivery notes and tracking them (volume received, used, etc.). The device also enables

¹ CEO: Atomic Energy Commission

operators to consult tasks to be carried out and assign a status to them (started, paused, completed), as well as logging the time spent on each task. Connected to the worksites' WiFi, ANOBI® also makes it possible to quickly locate equipment or materials (e.g. waste bins or fire extinguishers).

Thanks to an open application integration system, ANOBI® has a wide range of applications, and can be used by numerous industrial operators in logistics, energy, building and transport. In all, SUEZ and Bouygues Construction R&D have already developed six specific applications which are being used by operators equipped with ANOBI®. Using Android architecture, further applications can be developed by the IT departments of user companies or by specialist service providers.

For more information: www.ANOBI.fr/



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About SUEZ

Since the end of the 19th century, SUEZ has built expertise aimed at helping people to constantly improve their quality of life by protecting their health and supporting economic growth. With an active presence on five continents, SUEZ and its 90,000 employees strive to preserve our environment's natural capital: water, soil and air. SUEZ provides innovative and resilient solutions in water management, waste recovery, site remediation and air treatment, optimising municipalities' and industries' resource management through "smart" cities and improving their environmental and economic performance. The Group delivers sanitation services to 64 million people and produces 7.1 billion m³ of drinking water. SUEZ is also a contributor to economic growth, with more than 200,000 jobs created directly and indirectly on an annual basis, and a provider of new resources, with 4.2 million tonnes of secondary raw materials produced. By 2030, the Group is targeting 100% sustainable solutions, with a positive impact on our environment, health and climate. SUEZ generated total revenue of €18.0 billion in 2019.

About BOUYGUES CONSTRUCTION

Bouygues Construction is a global player in construction, with operations in more than 60 countries. It designs, builds and operates projects in the sectors of building, infrastructure and industry. As a responsible and committed leader in sustainable construction, Bouygues Construction sees innovation as its primary source of added value: this is "shared innovation" that benefits its customers at the same time as improving its productivity and the working conditions of its 56,980 employees. In 2019, Bouygues Construction generated sales of €13.4 billion. Further information: www.bouygues-construction.com

About the BOUYGUES E-LAB

The E-Lab, the Bouygues group's technological research and innovation centre, was created in 1994. Its role is to prepare the Group for technological progress and new business models, particularly relating to digital technology, and to play an active part in implementing innovative projects in the various businesses. It forms part of the Group's central innovation department.

Find out more about the SUEZ Group
on the [website](#) & on social media

