

<press release>

## **MWC 2023: Spotlight - 5 industrial applications of European private 5G solution \*Dome\***

**Rennes, February 23, 2023 - [b<>com](#), a European Institute of Research and Technology headquartered in Rennes, France, will be attending MWC Barcelona 2023 to promote their cutting edge private 5G network solution Dome. Dome, is a cloud-native, antifragile, secure, interoperable and easy to configure 5G private solution. Dome has been deployed for a year in several large-scale field tests. b<>com is cementing an exciting place for itself in European private 5G market with Dome, and is already working with a number of high-profile customers since the product launch 12 months ago.**

Dome is successfully in operation across a wide range of SME, mid cap and large industrial customers, providing security and robust private 5G. Five key industrial use cases for Dome include: Industry 4.0, Construction 4.0, water networks, railways and healthcare.

### **Industry 4.0: Developing the factory of the future with [Acome](#) and [Alsatis](#)**

Dome has been deployed on both the Acome and Alsatis multi-plant factory grounds, establishing a speedy, secure and flexible private 5G network that aids in:

- **Increasing productivity** through the enablement of real-time data feedback for the supervision of production lines and mobile surveillance of production tools such as drones,
- **Enhancing safety** with fast detection of dangerous situations
- **Optimising logistics** via stock monitoring, autonomous shuttle management, etc..

### **Construction 4.0: Detecting construction defects through digital twinning with [Eiffage](#) and [Artefacto](#)**

On construction sites, Dome provides quick access to AR Cloud platforms displaying the 3D digital model of the building - its 'digital twin'. The purpose of a digital twin is to provide a virtually indistinguishable counterpart of an actual building for testing ahead of construction or post so simulations, testing, monitoring and maintenance can be done. This digital twin is an invaluable aid in detecting any defects while works are ongoing and for optimal design planning.

The deployment of Dome to Eiffage and Artefacto construction zones allows the teams on-site to build optimal structures having tested the building through AR Cloud platforms supported by private 5G networks.

### **Critical infrastructure: Monitoring water leaks with the [Lacroix group](#)**

Dome is a key ally in improving critical infrastructure management. For Lacroix and others in the sector, b<>com's private 5G Dome solution is being used on a water system, to aid in reducing water losses in the distribution network, measure the quality of drinking water and lower the energy consumption of drinking water treatment plants. The speed and efficiency of the private, portable 5G Dome solution can help monitor for system flaws in real-time so that response times can be improved, and losses minimised.

## Railways: Optimizing management of a maintenance center at [SNCF](#)

France's national railway provider SNCF use Dome to monitor and manage large amounts of data in real-time for easier maintenance, logistics automation, and train maintenance and upgrades.

## Healthcare: Delivering real-time information to the operating room with the [Strasbourg University Hospital Institute \(IHU\)](#)

In an operating room, data is generated in bulk from all sorts of sources. The challenge is to harness this data to provide medical teams with relevant information in real-time. 5G makes it easier to take full advantage of all the data generated.

In this sector, Dome contributes to the creation of a new 5G communication-enabled operating room ecosystem, designed to improve patient outcomes as medical teams can receive the information needed to work on patients much more quickly, and through a secure and private network source.

**Come and see demonstrations of these applications at the b<>com booth (CS166). Meet with Mathieu Lagrange, b<>com's Networks & Security Director, and/or book a Dome demo on request.**



### About b<>com

b<>com is a private French innovation center that pioneers, designs and delivers technologies to companies that want to digitally boost their competitiveness. Its technologies are developed to address digital infrastructure, the cultural and creative industries, health, defence, and industry 4.0. Its experts come up with solutions in areas like 5G networks and beyond, image and audio processing, artificial intelligence, cybersecurity, cognitive science and mixed realities. Thanks to its world-class engineering team and its unique mix of scientific and industrial know-how, b<>com offers its clients technology innovations that make the difference.

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