

Retail joins to the new normality using IoT technology

Challenge: With the aim of enabling companies to recover their commercial activity and to bring their workers back to the offices, Libelium has installed fever-kits in different companies.

The economic crisis brought about by the Covid 19 has meant a setback for many businesses of different sizes that have been forced to close temporarily, with the consequent loss of money and jobs that this entails.

Once the initial phase of health alerts has been overcome [is time to recover and return to the new normality](#), a normality in which we must incorporate new habits to protect our health and our economy.



The Libelium fever kit installed in a shop

One of those habits will be taking the temperature before entering any building, factory, bar or shop. With the aim of enabling companies to recover their commercial activity and to bring their workers back to the offices, Libelium has installed fever-kits in different companies. At Libelium we have also had to reinvent ourselves and, thanks to the flexibility of our technology, we have reconfigured some of our most reliable sensors to [provide companies with tools to help them come back stronger](#).

Since it was not called a core business, fashion, accessories, sports or jewelry stores could not stay open during the pandemic. Now that de-escalation is beginning, the retail sector is under pressure to open as soon as possible to avoid further losses.



Location of the project

One of these stores is Bee Lion, a boutique in the centre of Zaragoza (Spain) that is eager to open and serve its customers. They have taken the necessary hygiene and prevention measures, like hand disinfectant and distribution of masks and gloves at the entrance of the establishment. To further ensure the health of workers, suppliers and clients, it has installed a Libelium fever kit that takes the temperature at the door and ensures that no one with a few tenths of a fever enters the store.

The kit is composed of a Plug&Sense! temperature sensor and an LED indicator that changes color depending on the temperature taken (green if it is correct, and red if it is above 37.5 °C) with an accuracy of +/- 0.2°C. In addition to the light sensor, the device emits a short beep if the person does not have a fever, and several beeps if the result is positive. The sensor is placed on an adjustable tripod so that it is at the person's height.



Clients, workers and providers have to scan their temperature at the door of the store

In the case of the Bee Lion tent only the light sensor and the sound alert were required. Installation in this case is very quick as it is only necessary to connect the sensors to the appropriate socket and place the temperature sensor in the tripod clamp.



The Libelium fever kit has a quick and easy installation

However, the kit can be programmed with different functionalities such as automatic door opening, email or sms notifications or personnel reports. For this purpose, Plug&Sense! can communicate with the software platform via 4G, NB-IoT, LoRaWAN or Sigfox.

In addition to connectivity, another of the main advantages of this kit is the [respect for privacy](#), since it does not scan the whole body but only requires the person to place his or her forehead near the temperature sensor so that the infrared can pick it up.

For more information about our products contact the [Libelium Sales Department](#).

More info and references:

- Read more about Libelium sensor product lines in the [Waspote](#), [Waspote Plug & Sense!](#), [Sensor Platform](#) and [Meshlium Gateway](#) websites.
- Smartphone detection scanner to identify volume of visitors and behaviors in United Kingdom trade fair: [libelium.com](#)
- IoT to enhance customer experience in shopping centers: [libelium.com](#)
- Moving towards a new partial security: [libelium.com](#)
- Confidence, safety and prevention to return to work with IoT technology: [libelium.com](#)
- Charleston city buildings start using the new IoT fever kit by Aridea and Libelium: [libelium.com](#)