

**Discovering through augmented reality; Karlsruhe:** The “Stadtgeist Karlsruhe” app is an augmented history app that revives stories of, with and around Karlsruhe and makes exciting audio and video contributions available free of charge by collaborating with the city archive. The app is considered as a national pioneer and won the German AppCampus Award in 2013 and was implemented as part of the SmarterCity initiative in Karlsruhe.

Find out more at: <http://www.stadtgeist-karlsruhe.de/>

#### 4.3.3.8 Providing real time info; Helsingborg; Palma; Matosinhos; Porto

**Bus stops turned into info points; Porto:** ‘Explore Porto’ has enabled public transport to become interactive for residents and visitors to the city of Porto. By installing NFC and QR code technology in the form of beacons at bus stops, visitors can access information on points of interest and routes at various bus stops through the city. In doing so, the city is actively integrating bus stops into the tourism experience and encouraging visitors to become users of digital innovation.

Find out more at: <https://explore.porto.pt>



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**Smart lifebuoys for safer beaches; Helsingborg:** Feeling safe during bathing is an important factor in attracting people to the beaches and this is what Helsingborg's smart lifebuoys are contributing to. Helsingborg is the first city in the world with lifebuoys that, with the help of magnetic sensors, automatically sound an alarm when they are removed from their holders. The magnetic sensors alert the authorities straight away whenever a buoy is removed, which allows them to quickly replace it. This creates safer bathing experiences for residents and visitors and also helps to save lives.

Find out more at: <https://innovation.helsingborg.se/en/initiative/smart-lifebuoys-make-beach-walks-safer/>

**Avoiding overcrowded and congested beaches; Palma:** The "Platages Secures" or Safe Beaches app is an app that shows how crowded beaches in Palma are in real time, as well as lists the current and active safety measures that are in force. The app shows different occupancy levels that showcase how full a beach is at any given time allowing for less congestion and for the visitors to plan their trip to the beach in advance.

Find out more at: <https://apps.apple.com/us/app/id1522274113> and <https://play.google.com/store/apps/details?id=com.playas.palma&hl=en&gl=US>



© Majorca Beaches

**Look for the “Tomis” tablets around the city; Matosinhos:** Categorized as “street furniture” with a stylish and innovative design, the “Tomis” are “giant tablets” in public spaces and provide locals and visitors with all necessary information. These devices are installed in Matosinhos and Leça da Palmeira and operate 24 hours a day. “Tomis” respond to the immediate needs of dwelling business and provide information about the area’s attractions and offers. These interactive panels of information are a cultural information source as they deliver culinary, heritage and effective assistance with unlimited features and constant updates. The tablets/displays allow a reliable, tailored and personalised experience to all those who ask and look for something different in the city – including where to find the world’s best fish.



Find out more at: <https://www.leca-palmeira.com/tomis-torna-turismo-em-matosinhos/> and <https://www.matosinhoswbf.pt/pages/356>

#### 4.3.3.9 Use that bitcoin; Ljubljana

**Located in Ljubljana,** the BTC Company, along with the AV Living Lab company, created the BTC City one of the largest shopping centres in Europe, as a lab test environment: an ecosystem of more than 3000 companies, developing advanced mobility, a digital park, an ABC accelerator twice awarded with the CESA award for best accelerator programme. BTC company not only provides the possibility of sharing electric vehicles in the area but also the option of paying with bitcoin, thus making Ljubljana the first bitcoin city in the world.

Find out more at: <https://www.visitljubljana.com/de/poi/btc-city/>