

High Potential Initiatives Profiles

1 Accelerator

FABulous



2 Project and Organization

GnB
HOP Ubiquitous S.L.



2.1 Country

Spain

2.2 Project Abstract

Glue & Blue (GnB) proposes a mobile-oriented marketplace to bring the opportunities of the 3D printing and the IoT to the consumers market. GnB comes from: “Glue” to merge multiple 3D printed parts of the encapsulation, and “Blue” to enable with a Bluetooth Smart chipset the product, in order to provide functionality, intelligence and communication capabilities. Therefore, GnB is a product composed of a 3D printed encapsulations with a Bluetooth Smart IoT-enabled chipset. Thereby, all the ingredients to build personal and consumer electronics devices, i.e., Smart and Personal 3D printed products, are provided.

GnB proposes an ecosystem composed of the HOP Ubiquitous Bluetooth modules with a wide range of sizes and sensors (called HOPs); HOPs are upgradable over the air with a mobile phone and offer connectivity to Internet with their IoT stack, the other parts are the Cloud Computing platform (GnB platform) to offer a marketplace of firmwares and 3D model files, in conjunction with a personal space to manage the products and provide functionality such as logic definition, data analytics and visualization. Finally, a mobile App (GnB Configurator) is offered to configure, program, test and interact with the HOPs.

GnB platform is built using FIWARE Generic Enablers (GEs) and Specific Enablers (SEs) such as the GE Orion to subscribe for updates of products/firmware, GE Marketplace / GE Repository to build the marketplace, the SE FITMAN c3DWV to visualize in the Web the 3D models, and other enablers for the Complex Event Processing, Data Analytics and Visualization parts.

GnB is innovating with the allocation of manufacturing in the hands of everybody with an easy-to-use mobile app and cloud-enabled platform. GnB is also innovative by integrating IoT sensors and 3D models, in order to provide the basis for the development of personalized products. Finally, GnB is focused on making adaptive and cost affordable solutions for the consumer electronics market, impacting on social aspects such as security, energy and wellness.

2.3 Sector

Consumer DIY/design

2.4 Target Market

Glue & Blue (GnB) has aB2C model, it proposes a mobile-oriented marketplace to bring the opportunities of the 3D printing and the IoT to the consumers market.

2.5 Business Model

The business model of GnB is focused on selling sensors kits to insurance companies. Customers buy sensors with the mobile application and Cloud service included in the price of the hardware.

SMART CITY SOLUTION	NO
CLOUD SOLUTION	YES
SOCIAL MEDIA SOLUTION	NO
MOBILE SOLUTION	YES
BIG DATA/ANALYTICS SOLUTION	YES
IOT	YES

2.6 Website

www.glueandblue.com

www.hopu.eu

1- Featured by Google as one of the key innovations in Physical Web:
https://developers.google.com/beacons/eddystone#support_for_eddystone

2- Videos:

Glue and Blue overview: <https://vimeo.com/132173792>

Personalized in the new normal: <https://vimeo.com/152142605>

Glue and Blue solution with Fujitsu and Allianz:

<https://www.youtube.com/watch?v=mVftQBbIfVA&list=PL4xLeOXURIIVsG1hMjVwi3YhK65WU4gly>