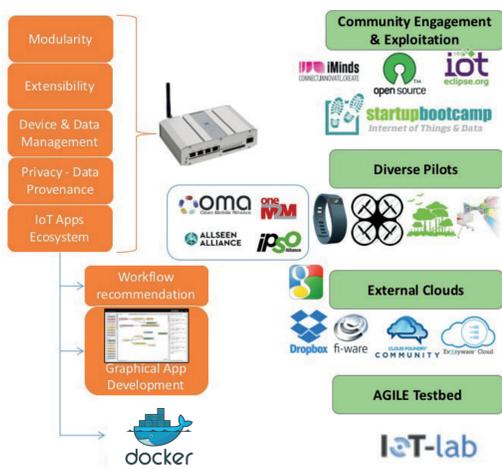




# Adaptive Gateways for diverse multiple Environments

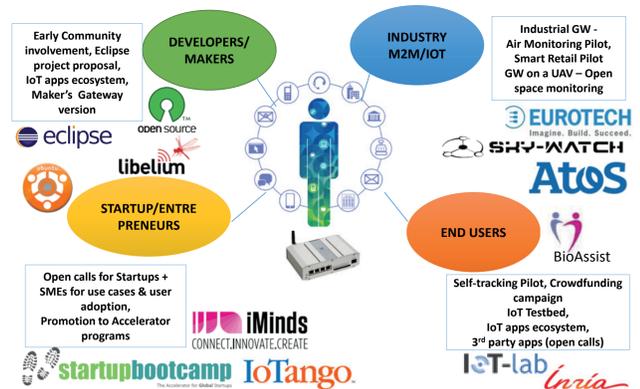
AGILE builds a modular hardware and software gateway for the **Internet of Things** with support for protocol interoperability, device and data management, IoT apps execution, and external Cloud communication, featuring diverse pilot activities, Open Calls & Community building.



## Open Source

All AGILE software modules will be delivered as **100% Open Source**, with the majority of them becoming part of a new Eclipse Foundation IoT Project. The objective is to provide IoT developers and communities with free software components for effective and agile IoT prototyping, and at the same time to establish a community of users and developers, maximizing the adoption of the AGILE Project.

## A complete IoT Ecosystem



## Modularity & Adaptability

AGILE is a modular and adaptive gateway for IoT devices. Modularity at the hardware level provides support for various wireless and wired IoT networking technologies (e.g. KNX, ZWave, ZigBee, Bluetooth Low Energy, etc.) and allows fast prototyping of IoT solutions for various domains (e.g. home automation, environment monitoring, wearables, etc.).

At the software level, different components enable new features: data collection and management on the gateway, intuitive interface for device management, visual workflow editor for creating IoT apps with less coding, and an IoT marketplace for installing IoT apps locally.

The AGILE software can auto-configure and adapt based on the hardware configuration so that driver installation and configuration is performed automatically. IoT apps are recommended based on hardware setup, reducing the gateway setup and development time significantly.

## Diverse Pilots

AGILE will run five pilots by QuantifiedSelf from wearables for **self-tracking**, and open air **crop** and **livestock** monitoring using drones, to **smart retail** solutions for enhanced shopping experiences. These pilots will demonstrate the applicability of the hardware and software in managing IoT devices, creating applications and sharing data, and will set the foundations for further commercial exploitation of the Project and innovations.

[@agile\\_iot](https://twitter.com/agile_iot)

<http://agile-iot.eu>

<http://github.com/Agile-IoT>



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