

DELIVERABLE D1.1 – AMEC Communication Components (EXECUTIVE SUMMARY)

This document shows a brief summary about the work done inside WP1, Task 1.1 of AMEC project.

The AMEC scenarios are based in an intelligent ecology, where many measurement elements are needed. All those elements need to be around the house (providing ubiquity) and of course, they need to be non-intrusive for the user. So their transparency will be related with their minimum size and the self-supply. All this including that the ecology must be easy to create, no special installation will be needed neither for the power supply nor to communicate with the rest of the ecology.

Controlling and managing all the measures a central manager element is needed. This manager also will be enough intelligent to take decisions and act in consequence, interacting with the artefacts of the ecology.

The deliverable D1.1 – AMEC Communication Components describes in detail both artefacts developed by Ikerlan: The measure artefact and the central manager.

- A new tiny artefact that matches with measure elements. This artefact is a remote sensor, working with batteries and radio frequency communication. The sample artefact is being designed for temperature and pressure sensing, but the communication platform will be still valid for any other measurement just changing the sensor module.
- A central manager artefact. A modular artefact, that allows the integration of the peripheral interfaces: CAN, LAN, Camera, Audio, depending on the user needs.