CASE STUDY
CITY OF GIJON

With about 280 thousand inhabitants, Gijón is the largest municipality in the autonomous community of Asturias in Spain. The City is playing a major part in trying to accelerate the shift towards more open and interoperable smart communities.

The smart city journey starts with an interoperable IoT network infrastructure that will connect 44,000 streetlights, 135 municipal buildings, 100 homes, 200 shops and 16 air quality control stations. Further applications and devices will be added to the network in the coming months and years.

The City's smart vision goes beyond its own operations though. Central to the Gijón-IN (Innovative, Intelligent and Integrated City) program is the ability to connect IoT devices for a range of applications that could not only provide valuable information to the city authorities, but also to the wider community of developers, innovators, academia and other third parties through an open data platform.

A major challenge to creating a completely open and flexible smart city network is that IoT standards do not currently specify a data model for smart city and utility use cases, which can prevent Cities taking a multi-supplier approach when it comes to adding new applications and devices to the network. Hence, Gijon joined the uCIFI Alliance to help define a common Smart City data model that can be used by IoT device makers.

The uCIFI Alliance and the Gijón City Council are working jointly to assist IoT device manufacturers with uCIFI interoperability checks on their devices in the Gijon DemoLAB space.

"The unified uCIFI smart city data model will offer the opportunity for the City of Gijon to exploit optimal value of the data generated by thousands of smart city sensors. Now we can unlock the full potential of IoT without expensive integration or the need to transfer data from third-party platforms." says Jose Antonio Rodríguez Cortés, Technical Manager at Gijon City Council.