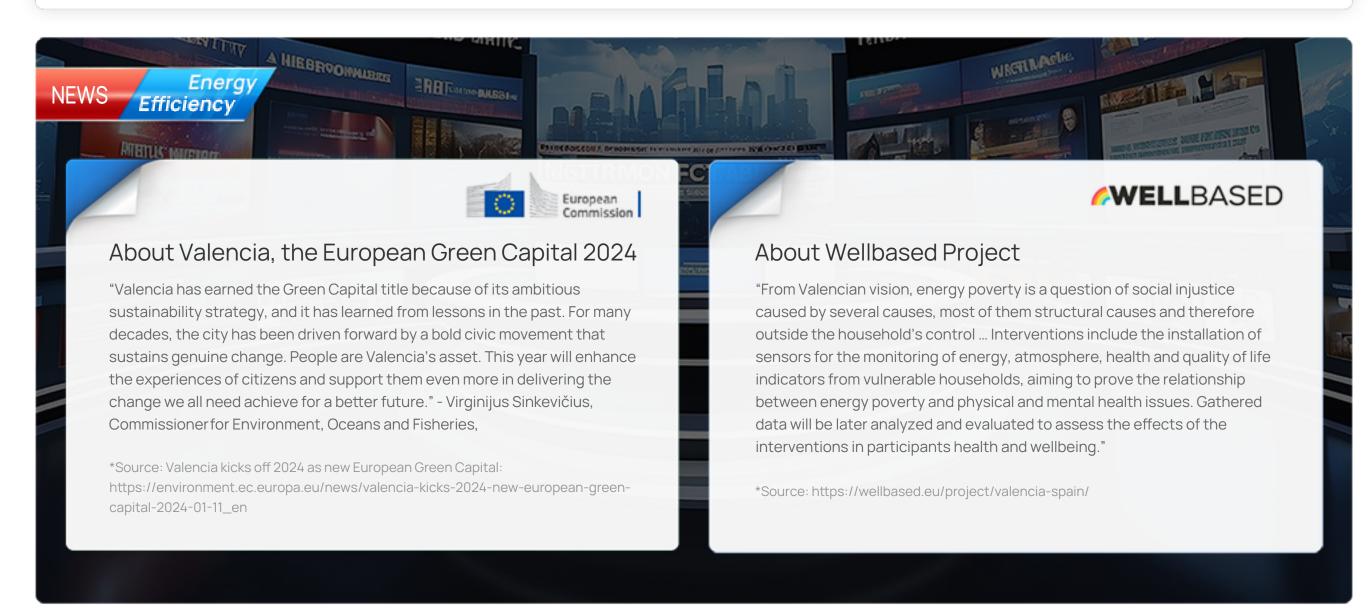
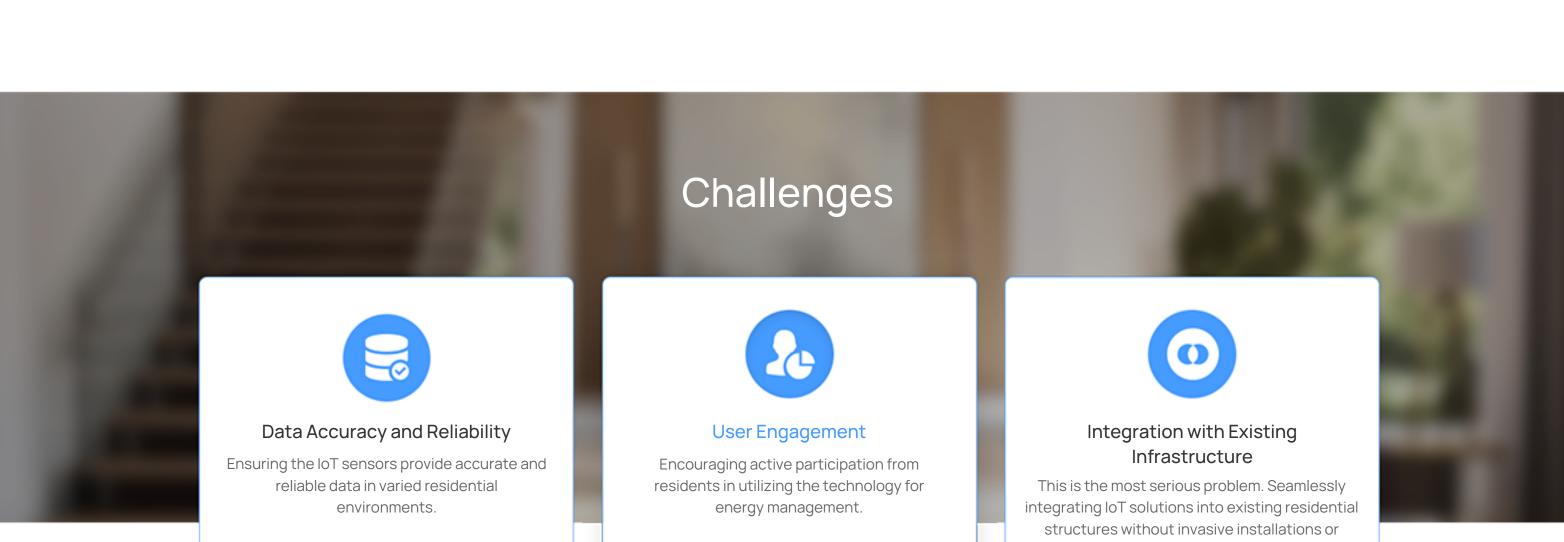


## Background

With rising energy costs, changing usage patterns, and growing concerns about greenhouse gas emissions, many organizations are under pressure to meet net-zero emissions targets while accommodating continued growth with improved operating costs. While smart buildings have been a reality for many years, advances in networking, artificial intelligence, IoT, cloud computing and cybersecurity technologies, as well as innovations in the building sector, are driving dramatic change.

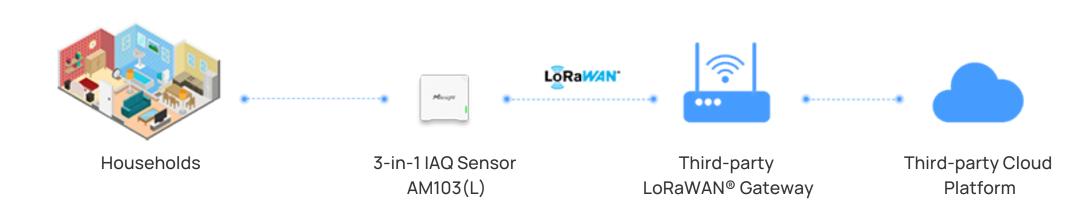
The Wellbased project, initiated in Valencia in September 2022, focuses on tackling energy poverty and improving the health and wellbeing of vulnerable households. The project is set within the urban and residential environments of Valencia, leveraging the city's status as the European Green Capital for 2024. It utilizes advanced IoT technologies to monitor and manage indoor environmental conditions, aiming to empower citizens and facilitate a sustainable energy transition. The project encompassed 6 cities around Europe which were: Valencia (Spain), Heerlen (The Netherlands), Leeds (UK), Edirne (Turkey), Budapest (Hungary) and Jelgava (Latvia). In Valencia, Damal Redes, Milesight's partner and a contractor for Fundació València Clima i Energia (VCI), has successfully deploy IoT solutions across a variety of homes, improving energy efficiency and make cities smarter and better.





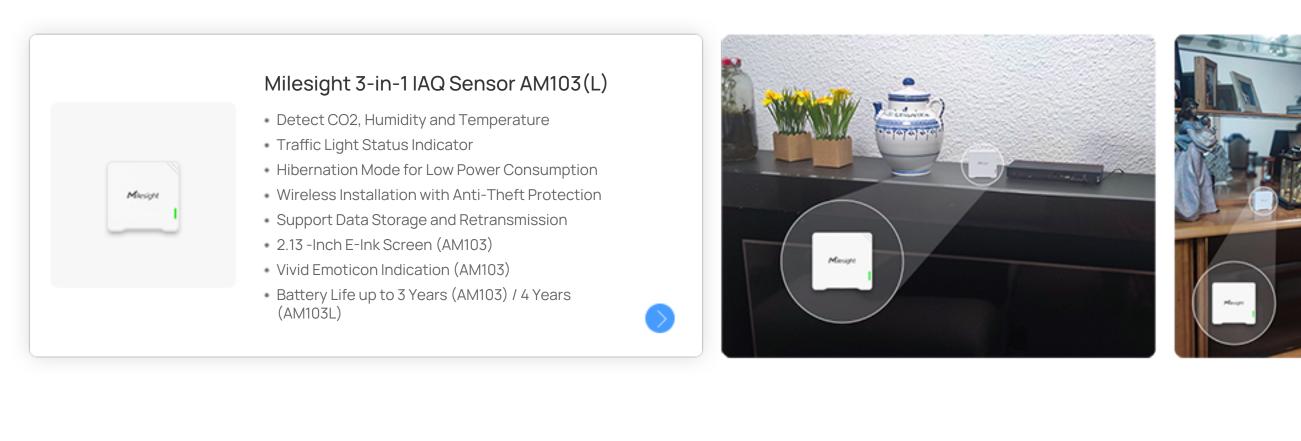
## Solution

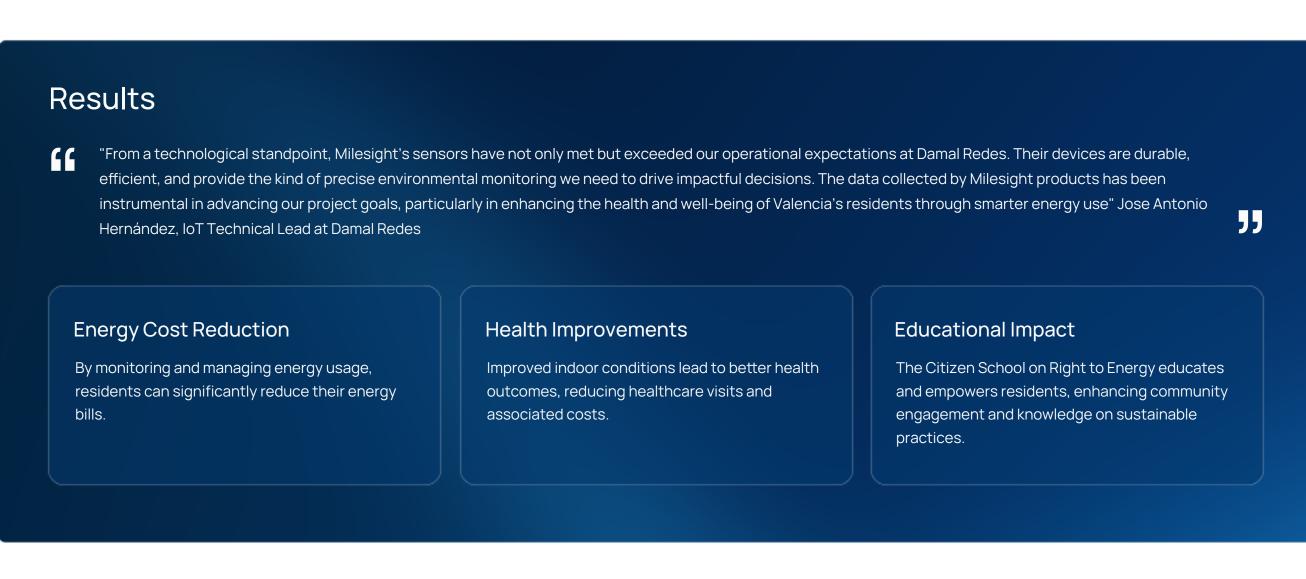
disruptions to daily life.



Damal Redes deployed 130 AM103L 3-in-1 IAQ sensors across multiple households to monitor key environmental parameters such as CO<sub>2</sub> levels, temperature, and humidity. The network topology designed for this project ensures that data from these sensors is relayed in real-time to a central system where it can be analyzed to provide actionable insights to both residents and energy advisors.

Milesight IoT sensors collect environmental data which is then transmitted via a secure network to a centralized data ingestion partner, aggregating data for 5 other partner cities for a total of 6 cities. This system analyzes the data to provide insights on energy usage patterns, potential savings, and areas needing attention for health improvements.







## Why Choose Milesight



**Price Competitiveness** 

"Milesight offers cost-effective solutions that make large-scale deployment feasible."



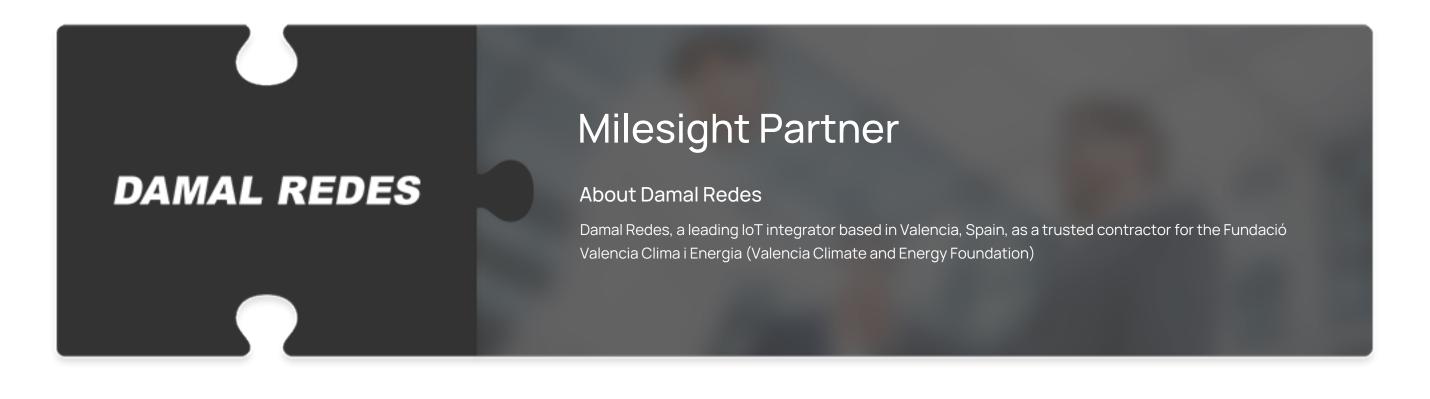
**Product Quality** 

Service Excellence

"High reliability and accuracy of the sensors ensure dependable data collection."



"Milesight provides robust support and service, ensuring minimal downtime and swift resolutions to technical issues."



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