Case 9 - Dinapsis DIH (Spain) – test-before-invest service

Dinapsis DIH (Spain) is a non-for-profit organisation coordinated by Hidraqua, a strong local industrial player, and serves as a digital operation center for local and international SMEs specialising in the water sector and environmental health of Valentia region. Addressing the needs of more than 40 local SMEs on an annual level, the hub is fully aligned with Spain's national initiative on digitising industry, Industria Conectada 4.0, and is included in the list of DIHs as promoted by the Spanish Ministry of Industry, Commerce and Tourism.

Dinapsis DIH uses artificial intelligence and robotics in supporting local and international industry achieve its sustainable development goals, incorporate digital transformation into the management of the environment and face the challenges of climate change. A portfolio of 3 solution-packages covering the water, city and industry sectors, are dedicated into addressing the needs of SMEs, start-ups as well as bigger enterprises optimise their operations in this regard. In specific, Dinapsis services for water ensures integral management of water resources through the use of Smart River Basin software that can be tested in-house. In addition, the solution package for industry offers advanced solutions that ensure regulatory compliance and effectively manage air quality. The AIRADVANCED platform, for instance, allows the monitoring, analysis and forecasting of potential impacts, which accelerates decision-making and actions on industrial processes.

Example of service provided to SME

One of Dinapsis hub's success stories is the services provided to national company Suez Advanced Solutions who developed Watertrack App connected to the water smart metering system that allows citizens to monitor their consumption, as well as set alarms for a consumption threshold and for continued consumption (possible leakage). Apart from the app development, the hub also helped the SME test and validate the results based on analysis of data collected by several citizens in various cities in the Province of Alicante.