

NIMBUS PARTNER ON VOICETECH ASSISTED LIVING PLATFORM



BACKGROUND

DMAC Technologies t/a VoiceTech owner David Carthy has been delivering assisted living solutions for the domestic market for several years. VoiceTech was keen to research and develop a new platform for the assisted living market for elderly end-users, or end-users with disabilities, without a commercial WiFi service in their home.



THE NEED

The VoiceTech platform would need to provide a mic audio-driven actuation service for TV, heating and other home appliances, powered through a central mini-PC and a wireless mesh network - all out of a box at low cost.

THE SOLUTION

VoiceTech utilised the expertise of the Nimbus Research Centre, which researched the use of several potential solutions for the overall VoiceTech platform. A key output of this project was a combined package supporting a single board PC, localised WiFi, and accommodating a speaker and mic with noise cancellation at a low cost.

To further define the platform design using off-the-shelf components, VoiceTech accessed funding from the Enterprise Ireland Innovation Partnership Programme, enabling the team at Nimbus to explore similar solutions on the market and the performance of preferred components from different use cases.

BENEFITS OF THE ENGAGEMENT

Nimbus concluded that they would like to have more assurances about the feasibility of the concept innovation. To support this, VoiceTech applied for an additional Innovation Voucher to continue the evaluation of the technology and scope a potential roadmap for a full IPP in 2022.

The envisaged VoiceTech solution will need to compete with global players, and there are gaps within similar offerings that VoiceTech aims to address. Partnering with the Nimbus Research Centre has provided VoiceTech with a sensible risk-free approach to defining the optimum architecture supported by available electronics, and this collaboration will continue in 2022.

“The Nimbus Gateway has assisted my company with advice, consultancy and deliverables from funded projects. They have shown to be very approachable, responsive and determined to do what is right, cost effective and possible. I look forward to what we will achieve in 2022.”

Dave Carthy, owner DMAC Technologies Ltd t/a VoiceTech

Contact us to connect your Enterprise with MTU. Email us at extended.campusCork@mtu.ie to discuss a collaboration to suit your needs!