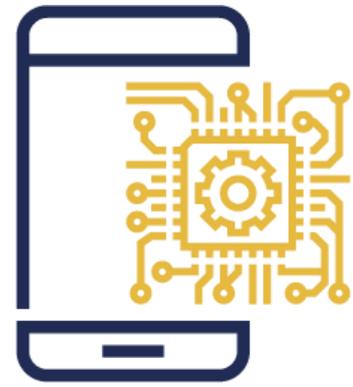


MEPS

MOBILEECOSYSTEMS &
PERVASIVE SENSING

Company Name: XR Concepts Limited

Funding: Enterprise Ireland Innovation Voucher



Profile of Company

XR Concepts are involved in the creation of sports training products, using XR technology to provide immediate feedback to the end user for performance improvement.



Problem to Be Solved

XR Concepts wish to review the current state of the art surrounding XR technologies and help with identification of relevant haptic technologies and possibly IoT sensors which may be incorporated into a golf club without adversely affecting the overall end user experience of using that club. The chief issue to be addressed is the identification of the technology which could be used to acquire user performance which could then be used for feedback or modelling within the VR domain. The output of the analysis will be a review of the technologies identified along with developing a technical roadmap to plot a plan for iterations of the technology integration to realise how best to deliver on XR Concepts initial product plans.



How Gateway Delivered Solution for Industry

Following requirements gathering and refinement – via meetings and correspondence with XR Concepts – TSSG created and delivered a Technology Roadmap. This documentation primarily focused on an exploration of the technology that could be used for performance capture of golfers in the specified use case, the Roadmap then explored the design of a holistic system for a mobile based prototype expanding from data acquisition to data analysis and then data presentation back to the user.



Impact for the Company

XR Concepts noted that the Technology Roadmap provided them with sufficient information to pursue the next stage of prototype design using the identified technology for data acquisition of user performance.

Testimonial:

"We were very pleased with the work completed by TSSG on the innovation voucher and the final report produced. The work was completed in a highly professional manner and was extremely comprehensive. At all stages we were able to fully engage with the lead researcher, Stephen Barnes, whose commitment and input was first class. The voucher has helped to shape our approach to the overall project and provided clarity on how we need to proceed. We would have no hesitation in proceeding again with TSSG on a future innovation voucher or similar project and would highly recommend their services."

Jerry Foley, XR Concepts