



Company Name: Elite Sports Performance

Project Name: Elite Sports Performance

EI Funding: Innovation Voucher

Elite Sports Performance is an Irish company who has been involved in evaluating the fitness and agility of subjects through evaluating fundamental movement patterns using the Functional Movement Screening (FMS) approach. Through this work in physical fitness training and evaluation and their ongoing research project in WIT, Elite Sports Performance has conducted FMS testing on 120 participants and is studying its ability to predict injury rates amongst this sample population

PROBLEM TO BE SOLVED



Elite Sports Performance came to the TSSG with an interest in developing an automated way in which FMS could be used by evaluation subjects whereby they would perform the tests, be evaluated by software, and have sets of corrective exercises prescribed to them to allow them to improve their mobility, stability and flexibility and to reduce their risk of injury.



HOW GATEWAY DELIVERED SOLUTION FOR INDUSTRY

TSSG applied for an IP feasibility study to evaluate the possibility of automating the process. The key to this was to identify a way through software of tracking the user's movements and performing an evaluation based on this. TSSG identified the MS Kinect device as being a potential candidate. A device was purchased and software was developed through the Kinect API to evaluate a single test. This was successful thereby proving the concept.

IMPACT FOR THE COMPANY



Elite Sports Performance brought this software to the UK to demonstrate to a number of potential customers and it was well received. Based on the feedback Elite Sports Performance decided to apply for full Innovation Partnership funding to develop the full functionality of the system along with TSSG.