



ActionSense

ActionSense Ltd

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Introduction to ActionSense Ltd

Based in the historical city of Derry in Northern Ireland, ActionSense Ltd was established in Sept 2017 after 5 years of R&D and the completion of a PhD.

The Company has been established as a result of a strategic collaboration between academics, clinical specialists in the field of rheumatology and product development experts.

Whilst the key stakeholders to our company come from a broad spectrum of specialities, what they all have in common is a drive and commitment to use 21st century technologies to facilitate the measurement of joint stiffness and movement in patients with arthritic problems.

Our ground-breaking solution

Key features of the ActionSense glove include:

- Sensors placed over each joint measure full range of movement.
- Sensor data is collected and returned to a control panel located on the wrist.
- Movement data is transmitted to a cloud based platform for remote access by the clinician.

This process allows the clinician to accurately diagnose the severity of the patient's condition, prescribe treatments more efficiently and recommend rehabilitation plans, where appropriate.



Our corporate mission

Most arthritic patients have problems with pain, swelling and stiffness but current outcomes tend to focus on pain and swelling as opposed to stiffness.

In short, our mission is to provide a range of cost effective and intelligent solutions to measure joint mobility.

Where clinicians have sought to measure joint movement in arthritic patients, they continue to rely on manual goniometry. This however, is widely seen as having fundamental deficiencies in terms of accuracy and the time that this takes.

We have therefore sought to bring to market a means of measuring joint stiffness and movement consisting of bespoke controlling software and proprietary wearable device technology.

The market opportunity

Market research shows that there are over 23 million people around the world who suffer from Rheumatoid Arthritis (RA).

There is currently NO product on the market, which measures the level of joint movement to aid clinicians in assessing RA.

The ActionSense measurement solution offers massive potential benefits including:

- Clinician timesaving.
- Speed and accuracy of diagnoses.
- Remote rehabilitation and analysis.