



# Transforming patient care through innovation

**“Over the nearly 70 years of our NHS, it has had to continually evolve with our society – and it must continue to do so.”**

***Shona Robison, Cabinet Secretary for Health in speech to Parliament***

Poster author: Marianne Murphy, Project Manager, SHIL

## AIM

- Encourage ideas from healthcare professionals
- Use well established processes and extensive experience to assess, protect, develop and commercialise ideas and innovations
- Work collaboratively with all Health Boards
- Translate innovative products from original idea to widespread adoption
- Declutter the innovation landscape in Scotland and highlight the importance of collaboration across NHS, academia and industry.

## METHOD

Working with every health board in Scotland, SHIL have established a clear, nationally supported route to develop ideas and innovations.

- The Business Development team assesses the viability of ideas using a robust selection criteria to identify the inventions that will bring the biggest improvement to patient care and our health service overall
  - Does the idea positively impact NHS resources?
  - What is the market size for the innovation?
  - How novel and inventive is the idea?
  - Is the idea technically feasible?
- The Project Management team work in partnership with healthcare professionals to drive forward new innovations, removing time pressures on the inventor – often one of the biggest barriers to bringing an idea or innovation forward
- SHIL's multi-disciplinary team uses skills and experiences across intellectual property, funding, product development and prototyping, raising finance, setting up and building a business, sales and marketing, and commercialisation to develop ideas and innovations into viable products.

## OUTCOMES AND RESULTS

Working with colleagues from across NHS Scotland, SHIL has received and evaluated over 1,500 ideas and innovation from health professionals; successfully developing and commercialising a variety of products and technologies that make significant, positive changes in patient care.

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## SPOTLIGHT ON SPIN-OUT COMPANY CARDIOPRECISION LTD



CardioPrecision Ltd is an award winning medical device company.

The company has developed an innovative and patented technology that allows clinicians to perform minimally invasive intervention through a short transverse incision to the neck. Key benefits include less pain and faster recovery than current approaches, with secondary benefits including reduced blood loss, lower rates of transfusion/infection and shorter hospital stays.

The company's CoreVista® device has been successfully used in both surgical and transcatheter aortic valve replacement procedures with further cardiovascular applications planned.

**The technology aims to provide both improved clinical outcome for patients and economic savings for healthcare providers.**

Other successes include:

- Touch Bionics, an idea originating from NHS Lothian, is now a world-leading provider of prosthetic technologies and supporting services, and sold in 2016 for over £27m to the Icelandic based Ossur group
- Ambulance Child Restraint (ACR) developed by Scottish Ambulance Service to support the safe and effective handling of young patients in ambulances has now been adopted by ambulance services throughout the UK.

For more successful product and spin out companies originating from healthcare professionals in Scotland visit [www.shil.co.uk](http://www.shil.co.uk)

## CONCLUSIONS

SHIL adds value to NHS Scotland as a dedicated team working with healthcare professionals across the country to accelerate the development of ideas and innovations to improve patient care. We have successfully developed and commercialised a variety of products and technologies, and boast a strong record in producing spin-out companies on behalf of NHS Scotland – each set up to produce and market healthcare innovations that originated from NHS Scotland employees. These spin outs continue to benefit the health service today achieving great success and demonstrating the potential of an initial idea.

## REFERENCES:

[www.shil.co.uk](http://www.shil.co.uk)

Health and Social Care Delivery Plan, December 2016

SHIL was formed in 2002. It is a private company registered in Scotland (SC236303) and limited by guarantee with three shareholders – Scottish Minister's through the Chief Scientist Office, NHS Tayside and the Golden Jubilee National Hospital.