

# Medilink Case Study

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## Tissuemed Ltd TissuePatch



**Leeds based** Tissuemed Ltd is an R&D company, that has developed the world's first surgical cling film - a unique range of highly adherent surgical sealant films which act as a barrier to air, blood and other fluids encountered in surgery.

### Benefits

The technology - TissuePatch - offers surgeons a unique solution to prevent leaks during and after surgery and also holds tissues together. Unlike liquid sealants, the ultra thin films are always the same thickness, easy to apply and don't need advanced preparation. They are easy to use within a surgical setting and are effective within 30 seconds.

Another feature of TissuePatch is that it is almost invisible in the surgical procedure so it doesn't block the surgeon's vision, and because it is a patch rather than a liquid, the chance for it to leak onto sites other than the one the surgeon is working on is dramatically reduced.

### Innovation

The technology surrounding TissuePatch is based around a polymer, which has been specifically programmed by Tissuemed's team of biochemists to be hydrophilic (attracted to tissue's moist surfaces) and also bond to the proteins on the tissue's surface.

This unique programming has taken seven years to develop and is now revolutionising surgical procedures worldwide. It can be used in a variety of daily procedures including neurosurgery, thoracic and cardiac surgery.



# Tissuemed Ltd

## TissuePatch

### Collaboration

Tissuemed understands the benefit of regional collaboration and has worked closely with Medilink Yorkshire & Humber to help raise the profile of their technology globally; creating awareness of the product and the company as a whole.

The company has also received a Grant for R&D from Yorkshire Forward to carry out research into the development of a new 'film' designed specifically for gastrointestinal surgery.

Leakage of bowel contents following GI resections is a common surgical problem and through the support of Yorkshire Forward, the company is looking to develop a CE marked product that will help surgeons reduce the incidents of leakage following complex resection procedures.

"The basic problem for a company like Tissuemed is that there are lots of R&D opportunities but we cannot possibly fund all of them on our own.

"Grant funding support allows us to carry out extensive research work into new product development with the view of developing new pioneering technologies for surgeons. Without this support we wouldn't be able to carry out these pieces of research work."

Nick Woods  
CEO - Tissuemed Ltd

### About Tissuemed Ltd

Tissuemed is a leading medical device company with a reputation for technical innovation dating back over twenty years. The company has its origins in the development of tissue-based therapeutic devices including developing the first tissue heart valve to gain regulatory approval in Europe, subsequently developing "living" vascular grafts and collagen patches.



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