

Engineering Prototyping for Medtech Innovations

Case Study: Conceptualisation and design of clinician-led ideas into viable prototypes

Needs



X months?



6 months

Action!



12 months

Results



Doctor had many innovations in mind but had challenges receiving the right expertise to conceptualize the design.

Tried various design houses but results were underwhelming

Approached **Access-2-Healthcare** while engaged in another project

Engineering team focused on patient and clinician usability, brainstormed with research engineers

- Provided few concept designs for selection, iterated several versions before finalization
- Provided materials, and manufactured the prototype for assessment
- Refined prototype after feedback from users

Final prototype used for first in human trials, and usability tests

Other examples : Process development of catheter production / Prototype development of intra cardiovascular device for animal studies