

# Case study Wearable drug delivery

## Development of wearable drug delivery devices

Sagentia has undertaken multiple projects in recent years to develop devices to our clients specific requirements, using novel designs and technology

### Experience

- Generation of concepts and development of proof of principle demonstrators for very high volume subcutaneous delivery
- Design and development of works-like prototypes for rapid subcutaneous delivery of a high viscosity drug formulation using a novel propulsion mechanism
- Development of very high efficiency, bespoke pump for wearable device and design transfer to CMO
- Full product development of electromechanical, microfluidic patch pump for transdermal delivery

### Benefits

- Creation of intellectual property assigned to our clients and transfer of design data to our clients
- Detailed understanding of the landscape of existing devices, with suitability for specific therapeutic formulations
- Incorporation of connectivity solutions to clients specific needs
- Control over device strategy, independent from 3<sup>rd</sup> party device providers

