

Our Commitment to Creating Value

At **nfs** we believe in our highly talented team of software designers, hardware engineers and consultants who turn ideas into market leading solutions. We are committed to providing insights into future technologies that create value for our clients.

We add value by:

- Helping our customers **understand wireless technology**
- Providing high calibre **advice and innovative solutions** to challenging problems
- Creating bespoke technologies with our **knowledge and diverse in-house expertise**
- Delivering against short timescales to enable our customers to get **products to market quickly**

Genuine Global Leaders

nfs are global leaders and innovators in the wireless technology industry. We translate ideas into innovative solutions through consultancy, design and development. We are leaders in Near Field Communication, Bluetooth Smart (Bluetooth Low Energy), Antenna modelling and Printed electronics.

Near Field Communication (NFC) is a short range wireless technology, typically 10cm (3.9in), designed to provide two-way communication between enabled devices. NFC is widely used in travel, payment, healthcare, retail and consumer goods sectors.

Bluetooth Smart is a key enabler of the Internet of things (IoT). Bluetooth Smart is the latest ultra low power version of Bluetooth, perfect for devices running on small batteries.

Antenna modelling for NFC and other wireless technologies can be complex and daunting. At **nfs** we have designed NFC readers for many years and have invested a considerable amount of time and effort into understanding how NFC antennae work and how to model them enabling us to create antennae that work.

Our Development skills

At **nfs** we bring together diverse skills across many disciplines and work closely with our clients to turn their ideas into reality. We specialize in:

- Software design
- Electronics design
- Web application development
- Antenna design and modelling

Our Consultancy Services

nfs is committed to helping clients understand wireless technologies. We play a key role in advising many leading businesses on technology related issues, such as:

Global brand owners in the consumer goods sector on the use of NFC for marketing, brand protection and anti-counterfeiting.

Leading Semi-conductor Companies in wireless healthcare, digital radio and connected audio, and on integrating NFC in new ICs being developed.

E-commerce companies on the application of Bluetooth Smart to track handheld assets in warehouses.

Market Leading Solutions we have created

Saving Lives through Technology

Traceability and monitoring of equipment can be challenging especially if equipment is located in disparate locations.

Automated External Defibrillators (AED) for public access require the highest level of monitoring and control. We have helped AED Locator, UK's leading provider of Public Access Defibrillators, save many lives through advanced technology.

Combining our industry expertise and innovation we have developed an online monitoring system that tracks and reports the maintenance of public access cabinets and defibrillators using NFC technology.

Temperature Sensor for Transporting Fine Wine

Recognizing that fine-wine collectors are in search of wines with perfect provenance **nfs** took a unique approach to developing an NFC enabled sensor for eProvenance, the leading Fine Wine Cold Chain System providers.

The ultra low powered sensor monitors the temperature and humidity of fine wine during storage and transportation from producer to customers. The sensor records environmental conditions and the information can be read on smart phones without opening the case. Our solution has a battery life of more than 10 years.

