

# Rethinking Engineering Supply Chains



## Case Study



# TBS Enterprise Mobility

Encsite supports investigation into  
mobile technology for rail safety

[www.tbsmobility.com](http://www.tbsmobility.com)



TBS Enterprise Mobility, an award-winning organisation specialising in producing seamless mobile workforce solutions, wanted to assess if these solutions could be enhanced by incorporating RFID technology, an investigation project ideal for Encsite's team of innovation specialists.

Technological Business Solutions Limited, or TBS Enterprise Mobility, has over twenty years' of experience in producing innovative enterprise mobility solutions using the latest available technologies, used in a diverse and extensive range of applications, industries and sectors, including asset management in the rail, transport, power and utility sectors.

The company's Commercial Director Jon Poynton explains: "We approached Encsite about the project to assess how TBS' solutions could potentially be enhanced with the implementation of RFID, or Radio-Frequency Identification, to improve safety in rail maintenance.

"We were keen to establish if our mobile technology could be effectively and beneficially enhanced with the incorporation of RFID, also known as Near Field Communication NFC, with all our customers in mind, but especially those organisations operating in the rail and transport sectors."

"Encsite's support...helped us to bring a new, enhanced product to market."

## Radio-Frequency Identification

RFID takes a number of forms, as Jon explains: "RFID operates at low frequency, high frequency (also known as NFC) and ultra-high frequency. The tags manufactured are used in many areas including tagging animals as well as many kinds of assets that can be used in manufacturing, warehouses, asset management and tracking.

"Our project was to look specifically at the management of assets and a remote workforce who provide a service. It was to assess the various tag types, the most appropriate use, and to assess whether the use of RFID tags would be a suitable, viable and practical capability that we could add to our solutions.

"The other driving factor was that most new smartphones and other devices now have NFC built in, driven by the tap-and-go payments we are seeing more and more on the high street in many of the big brand coffee shops for example. As our solutions are delivered on low cost phones as well as industry specific devices, we felt this could be a great enabler of the technology and a reason to buy our software solutions.

"Encsite's support in undertaking the study and the resulting report has been excellent and helped us to bring a new, enhanced product to market, which is shortly to be piloted with a major utility organisation."