

EEMITS TAKES THATCHAM RESEARCH MOBILE WITH BRAND NEW PoC SOLUTION



TRANSPORT AND LOGISTICS

Thatcham Research were looking for an alternative solution to UHF or VHF two-way radios. After a consultation meeting, Eemits got to work on a brand new Push-to-Talk over Cellular (PoC) solution for use at a large airport site.

THE CHALLENGE

Thatcham Research is the UK's only not-for-profit, automotive research centre - and in this instance they had a requirement for reliable communication at an airfield that operates as both a private airport and a vehicle testing site.

The challenge was to find Thatcham Research an alternative to traditional two-way radios. The required solution needed to work off 3G or 4G signal, and provide end users with instant communication and essential safety features.

With this in mind, Eemits got to work on putting together a brand new Push-to-Talk over Cellular (PoC) / LTE solution.

This involved sourcing high quality PoC devices and showing the capabilities of the TRBOCALL mobile app to the customer.



TRBOCALL - GREATER THAN THE SUM OF ITS PARTS



PRODUCTIVITY
up



EFFICIENCY
raised



SAFETY
increased

THE SOLUTION

We installed Eemits ultra-smart digital two-way radio solution - TRBOCALL – a modular platform comprising the following:

INFRASTRUCTURE

Thatcham Research chose:

- Push-to-Talk over Cellular (PoC)
- Roaming SIM



The Benefits:

Thatcham Research opted for a PoC solution as it gave them nationwide coverage as standard, and it negated the need for two-way radio devices.

The only infrastructure required was a network antenna (connected on top of the buses) that boosted the signal of the antenna on their in-vehicle radio.

Using a mobile network solution means Thatcham Research is able to keep operational costs of a communication system low as there's no reliance on base stations and repeaters like a traditional radio system.

And by using our TRBOCALL mobile app and dispatcher solution, they're able to connect to the PoC server and our management/dispatch application - creating a solution that is ultra-reliable and can be used anywhere in the UK.

Using a roaming SIM with a capped data allowance also helps them in control of what their system is used for, driving efficiency for the business -

A roaming SIM also gives Thatcham Research the ability to connect and communicate from any location (worldwide).



THE SOLUTION

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HARDWARE

Thatcham Research chose:

- 25 Telox TE590 Handheld Radios
- 7 TM5 Mobile Radios



FEATURES

Thatcham Research chose the following features:



PTT
(Push-to-Talk)



Bluetooth



Panic
Button



Mobile Client

Thatcham Research required modern handheld and mobile PoC devices, that offered crystal, clear communication and a range of features that could drive efficiency and improve safety.

The Benefits:

The Telox TE590 is a rugged IP68-rated device with a HD screen, powerful audio, long battery life, and GPS location tracking.

It offers seamless connectivity, working over 3G/LTE/4G, Bluetooth and WiFi. It was the perfect choice for Thatcham Research.

The TM5 in-vehicle devices were installed as part of the solution, and they come with a 3.5 inch touchscreen, Bluetooth connectivity and emergency panic button.

The Benefits:

Mobile client

With touchscreens both devices give end users the ability to utilise the TRBOCALL app to request and make calls, view live maps and make emergency calls.

Push-To-Talk (PTT) over Cellular

With PTT over Cellular, Thatcham Research is able to carry out one-to-one calling, one-to-group calling, and emergency calling. Other features can be bolted on during the contract period.

The biggest benefit of PTT is that there's no need to wait for someone to pick a device up at the other end - it's instantaneous. And to improve communication even further, end users are able to send text messages via the device.

Panic Button

When the dedicated orange button is pressed on the TE590 an emergency alarm is sent to other users who have the application turned on. GPS location data will become visible in real-time.



THE RESULTS:

Thatcham Research now has a PoC solution in place that improves communication in an important research location.

By utilising modern devices end users can stay in touch without the worry of devices failing or needing to be replaced.

Eemits innovative modular platform TRBOCALL - a unique combination of hardware, bespoke software applications and digital features - together create an ultra-smart two-way radio system. Combined with unrivalled wide area network coverage, our customers have the flexibility to build their own system with all, or a combination of infrastructure, hardware, software service wrap, features and accessories that suite their individual business needs.

EEMITS CLIENTS BENEFIT FROM:

Productivity increased by up to

40%

PER SITE

Efficiency raised by up to

1 hr

PER EMPLOYEE PER DAY

Safety increased for

100%

OF YOUR WORKFORCE VIA DIGITAL RADIO WHERE EVER THEIR LOCATION :

TRBOCALL - GREATER THAN THE SUM OF ITS PARTS