



The 5G-ENCODE briefing

October 2020

An update from Vassilis Seferidis on behalf of 5G-ENCODE.

Hi all,

Hope you're all well.

We've been keeping busy here at 5G-ENCODE as we continue to embark on our mission to make the benefits of 5G a reality for UK manufacturers.

This is the first in a series of newsletters that will be shared over the course of the project. Each update will bring you up to speed with progress, activity and, later down the line, results.

If you have any questions or would like further details, please get in touch.

Until next time,
Vassilis Seferidis,
Founder and CEO at Zeetta Networks

What's been happening at 5G-ENCODE

5G technology will revolutionise the manufacturing sector. We already know this. Now we need to build the use cases to validate it. That's why we've been busy laying the groundwork to validate the premise that using 5G in industrial settings will boost efficiency, productivity, and create countless new opportunities for the composites industry.

One of the challenges in deploying 5G across the manufacturing sector is a general lack of awareness and specific proof points. We're tackling this head on with a two-pronged approach. One, we've kicked off our comms programme to raise awareness. Two, our developer team has been working incredibly hard to design a network upon which we can test the technology for different use cases and prove its benefits.

We'll be sharing an exciting announcement about our network in the coming weeks, so keep an eye out for us in the news!

Where we've been



5G World

5G-ENCODE project manager, Muquid Ali, and I presented at 5G World's 2020 virtual event. Alongside Anthony Karydis of Mativision, Marc Funnell and Stacey Downton from the National Composites Centre (NCC) and Vincent Aerts of Solvay, we spoke about the 5G-ENCODE project and how we're enabling 5G connectivity for digital engineering.



5G Realised

I also attended 5G Realised, in person, representing 5G-ENCODE. It was an interesting day and a great opportunity to catch up with many of our partners at DCMS who were also in attendance. In preparation for this event we created a leaflet outlining the project, a copy of which can be downloaded from the project website: <https://www.5g-encode.com/media-and-publications>.



Connected Britain

Alongside Marc Funnell of NCC, we participated in a panel session at Connected Britain 2020, discussing strategies for building 5G infrastructure to enable the future of manufacturing.



Industrial 5G in the UK Webinar

Organised by Digital Catapult, the webinar took place within 5G Week and discussed the transformative potential of 5G in the industrial sector.



Digital Leaders 100 Award:

The 5G-ENCODE Project and Zeetta Networks have been shortlisted for the Digital Leaders 100 award in the '5G Innovation of the Year' category. Winners will be announced in an online ceremony on the 15th October.

Looking to the future

Our immediate goal is to finish laying the foundations that will be crucial to the longer-term success of the project. Next steps include deploying our state-of-the-art testbeds across both NCC sites. Once this has happened, the project will really come to life as we begin accepting and developing the industrial use cases, which will focus on:

- Augmented Reality / Virtual Reality (AR / VR) to support design, manufacturing and training.
- Monitoring and tracking of time sensitive assets.
- Wireless real-time in-process monitoring and analytics.

The partner network

In each newsletter, we will hear from a different consortium partner, who will share details about their role in the project. This month, we are pleased to hear from Marc Funnell, Head of Digital, and Director of DETI, National Composites Centre.

"The NCC is delighted to be part of the 5G-ENCODE consortium of leading industrial innovators. Hosting an industrial test bed at the NCC will provide state-of-the-art capabilities for industry, showcasing a step change in security, reliability and connectivity, providing a risk-free environment to evaluate and capitalise on 5G. The test bed is part of our wider Digital Engineering strategy in the West of England which will form a national asset to catapult the application of digital technologies into the engineering sector. Underpinned by the ENCODE network, DETI will develop tools, technologies and processes for smart manufacturing and design".

5G-ENCODE in the news

This month we featured in:



5G-ENCODE was also the focus on a blog by Brendan O'Reilly, CTO at O2: [Building a brighter future with 5G](#).

As well as this, I discussed the 5G-ENCODE use cases and how network slicing and splicing can be applied in industrial settings with TeckNexus. You can watch the video on YouTube: [TeckNexus chat with Zeetta Networks](#).

Learn more about 5G-ENCODE and how to get involved by visiting our [website](#) or get in touch to subscribe to our updates at info@5g-encode.com.



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