

## 1-VIA Awarded Innovate UK Grant to Develop Its Ultra-Low-Power High-Speed Data Converter Portfolio

***£0.5M project to develop state-of-the-art, high-speed and low-power transceiver chips targeting next-generation telecommunications markets***



London, UK, 30<sup>th</sup> November 2020: 1-VIA announces it has successfully been awarded funding from Innovate UK, the UK's innovation agency, to develop their new game changing data converter portfolio for the 5G, AI, Augmented Reality/Virtual Reality, Data Centre, Industry 4.0, IoT, Mobility and Satellite Communication markets.

Data converters are needed in telecommunication devices as they enable both wireline and wireless connectivity solutions by allowing signals to be transmitted in the analog domain by using powerful digital modulation and Digital Signal Processing (DSP) techniques.

1-VIA has some of the industry's most skilled and experienced analog/mixed-signal IC designers onboard and have a combined experience of more than 100 years in cutting-edge silicon design of high-speed Analog to Digital Converters (ADC), Digital to Analog Converters (DAC) and SerDes. The team has previously worked together delivering more than 30 communication chips for Cisco, Huawei, Fujitsu and Nokia,

as well as received more than 20 patents for their work in silicon in a range of technology nodes from 1um down to 7nm.

Suhas Rattan, CEO of 1-VIA, said *"We are honoured to be given this award, a recognition of our innovative ultra-low-power data converter technology, which will help in fuelling growth in the UK's semiconductor ecosystem. As developments on advanced technology nodes become increasingly more expensive with diminishing power returns, silicon vendors will have to become innovative with their chip architectures. At 1-VIA, we have built our disruptive ultra-low-power transceiver chip architecture from the ground up enabling us to achieve power savings in earlier technology nodes, making them suitable for deployment across a variety of applications. The award from Innovate UK will contribute towards our current funding round we are raising and enable us to develop these ultra-low-power transceiver chips targeted at addressing high-bandwidth low-latency requirements for the next-generation telecommunication markets."*

### **About 1-VIA**

At 1-VIA we are continuously developing state-of-the-art, high-speed and low-power transceivers targeting next-generation satellite, data centre, telecommunications and automotive markets.

For more information visit [www.1-via.com](http://www.1-via.com)

### **About Innovate UK**

Innovate UK drives productivity and economic growth by supporting businesses to develop and realise the potential of new ideas.

We connect businesses to the partners, customers and investors that can help them turn ideas into commercially successful products and services and business growth.

We fund business and research collaborations to accelerate innovation and drive business investment into R&D. Our support is available to businesses across all economic sectors, value chains and UK regions.

Innovate UK is part of UK Research and Innovation.

For more information visit [www.innovateuk.ukri.org](http://www.innovateuk.ukri.org)