

“Whilst I appreciate the fact that the Cabinet Office is inundated with offers of help, I sincerely hope and trust that one of its technically minded staff will flag up this important offer from Bridgeworks for consideration for two main reasons: first that it supplies a high security, high capacity and high speed method of communicating bulk data with maximum efficiency: secondly, that its technology is already in full use by the US Department of Health and Human Services.”

Rt Hon Dr. Julian Lewis, MP 28 March, 2020.

To: Rt Hon Michael Gove, MP, Minister for the Cabinet Office

Dear Minister

As medical organisations of all sorts all over the world desperately seek to design a vaccine to counter the devastating effects of the COVID-19 virus, the need for data to be transferred reliably and at very high speed across the globe has become imperative. Speed of data transfer is now absolutely critical, whether in the search for a vaccine or in the communication between hospitals which are dealing with the patients.

Bridgeworks Ltd, a British company based in Lymington, Hampshire, would now like to make available our PORTrockIT products FREE OF CHARGE for one year, to any Health Organisation or Medical Research Establishment engaged in this COVID-19 work.

The attached paper details the advantages of PORTrockIT, which massively accelerates the transfer of vast quantities of data over very long distance, in a manner which is unique and which overcomes the problems of latency, packet loss and congestion on the line in a way which no other organisation in the world has come anywhere near matching.

Our approach has been endorsed by our MP, Rt Hon Dr. Julian Lewis who has authorised us to quote him, (above).

The contact details of David Trossell, our Chief Executive and CTO are given below. David also invented/designed PORTrockIT.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Jamie Eykyn". The signature is fluid and cursive, with a long horizontal stroke at the end.

Jamie Eykyn

Chairman, Bridgeworks Ltd

Dear Sirs, Ma'ams

Accelerate Coronavirus COVID-19 Research with Bridgeworks PORTrockIT

The race is on to find a vaccine to Novel Coronavirus COVID-19 and big data analysis is at the forefront of data modelling trends of the pandemic. The global aim is to find a cure and to use data as a basis for making more effective and accurate decisions.

The challenge of sharing, analysing, backing up and restoring big data is even more difficult whenever data is transmitted over a wide area network (WAN), where Latency and packet loss make even the best analytics less timely and less accurate. Typically, with 20ms of latency, most WANs will lose 80% of their bandwidth. If packet loss is included, then this can rapidly diminish to 90% of throughput loss. Bridgeworks' technology restores the throughput back to 95% of the bandwidth capability without changing or manipulating the data.

In an effort to accelerate research and data analysis relative to this epidemic, Bridgeworks a British technology company, is offering our PORTrockIT products to qualifying organisations over the next twelve months, at no cost.

With the introduction of Bridgeworks technologies, the UK can rapidly become an exemplar of good practice – even allowing data to be shared with health and pharmaceutical institutions across the world.

The National Institute of Health in the United States deployed Bridgeworks PORTrockIT to power the NIH's global data transfer requirements at the U.S Department of Health and Human Services. It is also the world's largest biomedical research agency.

CVS Health, a leading pharmaceutical research and retail organisation in the United States is already using Bridgeworks technologies to accelerate data analysis, data sharing and data transfer across its national network to support a variety of ongoing healthcare initiatives.

Our Offer:

Bridgeworks is offering the UK's NHS, NHS Trusts, medical research centre (MRC), academic research labs, universities and other qualifying research facilities investigating COVID-19 the following products :

- Bridgeworks PORTrockIT models on a 12-month usage basis including support, installation and training.
 - The virtual PORTrockIT, VPR 200, supports 2Gb WAN connectivity and connects up to 4 other nodes in point to point or mini-hub configurations.
 - The VPR 400 supports 10Gb WAN connectivity and connects up to 10 other nodes, again in point to point or hub and spoke configuration.
- The Bridgeworks team will support connections to European health facilities or healthcare centres working on COVID-19, and connections to pharmaceutical and biological research companies linked to these health centres. This can include links with facilities in the United States.

Technology platform:

- Bridgeworks supports a wide range of applications for high-speed transfer of all data types including compressed, deduped, and encrypted.

- Virtual PORTrockIT (VPR) is powered by artificial intelligence and machine learning to mitigate the effects of latency and packet loss
- Once configured PORTrockIT requires no supervision or maintenance.
- Hubs can be connected to other hubs
- Our software runs on VMware ESXI 6-0 to 6.5 and Azure. Bridgeworks can operate in Cloud AWS and on Microsoft Azure
- NO additional hardware is required, nor installation on the user's site
- Under special circumstances, Bridgeworks could create unique versions of this technology to meet a specific requirement

Corporate and Community Responsibility

This programme will fall under Bridgeworks' Corporate and Community Responsibility Team. The Bridgeworks team, including myself as CEO and CTO, also wish to invite every Laboratory, Research Centre or Centre of Excellence to share Modelling and Research Data Globally, without cost and the need for time costly data compression.

As a company, we believe our technologies can accelerate the critical path of discovery of a cure and good outcomes for COVID-19 researchers. As a British company, Bridgeworks already has a widely published track record with a significant international reach, where our patented technologies increase data transfer speeds by more than 400%.

Organisations interested in participating in this offer are invited to contact me directly to arrange a virtual meeting to discuss this opportunity.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "David Trossell".

David Trossell
CEO, CTO and Inventor of Bridgeworks Ltd
davidt@4bridgeworks.com

ABOUT BRIDGEWORKS

Lymington-based Bridgeworks has 35 years of expertise in WAN Acceleration and WAN Data Acceleration, holding more than 25 Patents and invests over 45% of operating income in research and development. Using automated, AI technology Bridgeworks dramatically alleviates the effects of latency and packet loss, meaning that data can get to where it needs to be more quickly, thus maximising business performance with dramatic ROI. DCS Awards winner for best Information Communication Technology (ICT) 2017,2018, 2019 and SDC Awards winner for best innovation for Disaster Recovery and Business Continuity, 2019.

PUBLICATIONS/REFERENCES

How to accelerate your hypercovered healthcare cloud; Cloud Tech News (2020)
<https://www.4bridgeworks.com/how-to-accelerate-your-hypercovered-healthcare-cloud>

How to build healthcare around IoT; IT Pro Portal (2019)
<https://www.4bridgeworks.com/how-to-build-healthcare-around-iot/>

Going beyond SD-WAN for big government; Government Public Sector Journal (2019)
<https://www.4bridgeworks.com/going-beyond-sd-wan-for-big-government-data/>

Investec Cashes in on Bridgeworks WAN Acceleration; Computer Weekly (2019)
<https://www.4bridgeworks.com/investec-bank-cashes-in-on-bridgeworks-wan-acceleration/>