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Innovate Funding competition: UK - Singapore Collaborative R&D Round 2

Project Name: Operational Technology Cybersecurity Toolbox for Rail

Dear Paul,

Thank you for the opportunity to be involved in the Innovate UK and Enterprise Singapore initiative. We are fully in favour of your application and will be happy to support the consortium in form of information, advice, and feedback.

As you know we are currently very active in ensuring that the railway critical infrastructure and rolling stock products we supply help our customers to comply with the NIS directive and feel we can make useful contributions to the success of this project.

We see Operational Technology (OT) cybersecurity as very different from the approach to Information Technology (IT) cybersecurity and having to comply to NIS regs by adopting the international industry standards such as IEC 62443 suit and EN CLC/TS 50701 for railway OT operation and system renewal is rather daunting for all involved. In this current economic climate, we need to be as cost effective as possible whilst ensuring a safe and secure railway.

The tools that you have described to us that you will be developing as part of this project are necessary as there is no real body of knowledge to help with adoption. Senior managers and engineers will find a novel tool that facilitates the process something that that they would readily adopt and as soon as possible.

Yours sincerely



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Dimantha Gunawardana
Deputy Head of Global R&D
Hitachi Rail Limited
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