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# What F-35 Can Teach Us about Global Software Delivery for Impact

Dr. Kate Gill, CEng, FRAeS

Digital Revolution Lead, Royal Botanic Gardens Kew, London

Date: Thursday 16 May 2024, 18:00

Location: HSU/UniBw H, Holstenhofweg 85, 22043 Hamburg. Bau H1, Hörsaal 4. See [directions](#). [Registration](#) required!

Systems Engineering is a diverse field both in terms of approaches but also in impact and exploitation. Working across 12 political systems, with over 700 aircraft operational worldwide, the F-35 is a 5th Generation military aircraft which delivers impact through data. Keeping all the software intensive systems flying, through obsolescence, repair, new technology and upgrade is a configuration and logistical challenge. In late 2019, the US F-35 Joint Project Office embraced agile software delivery to reduce software cycle times from 18 months to 6 weeks. This is the story of that time.



F-35B. National Museum of the U.S. Navy

*Kate Gill has 20 years international experience of Systems and Software Engineering, Management and Consultancy in both the Defence and Civilian markets. From 2016 – 2022, she was seconded from the Ministry of Defence to be the US lead Air Systems Integrator, based in Washington DC, for all UK software engagement on the military aircraft F-35. She has led and championed digital transformation within the Department of Defense (DoD) F-35 Agile DevSecOps (DSOP) ecosystem. Kate has been the driving force for the stand-up of the US F35 Joint Project Office (JPO) Managed Cloud which enables software on the +625 F-35 aircraft worldwide. Kate was awarded the Royal Aeronautical Society Silver Medal in 2021 and was Women in Defence Most Collaborative Award Finalist in 2020 and 2022.*

*She has stayed in the Civil Service and has now moved out of Defence into a digital role supporting biodiversity research at Kew Gardens as Digital Revolution Lead*

Please register [here](#) to attend. You must have your ID card/passport available to enter the University

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