



Cloud4Rail

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Finanziert von der
Europäischen Union
NextGenerationEU

Gefördert durch:

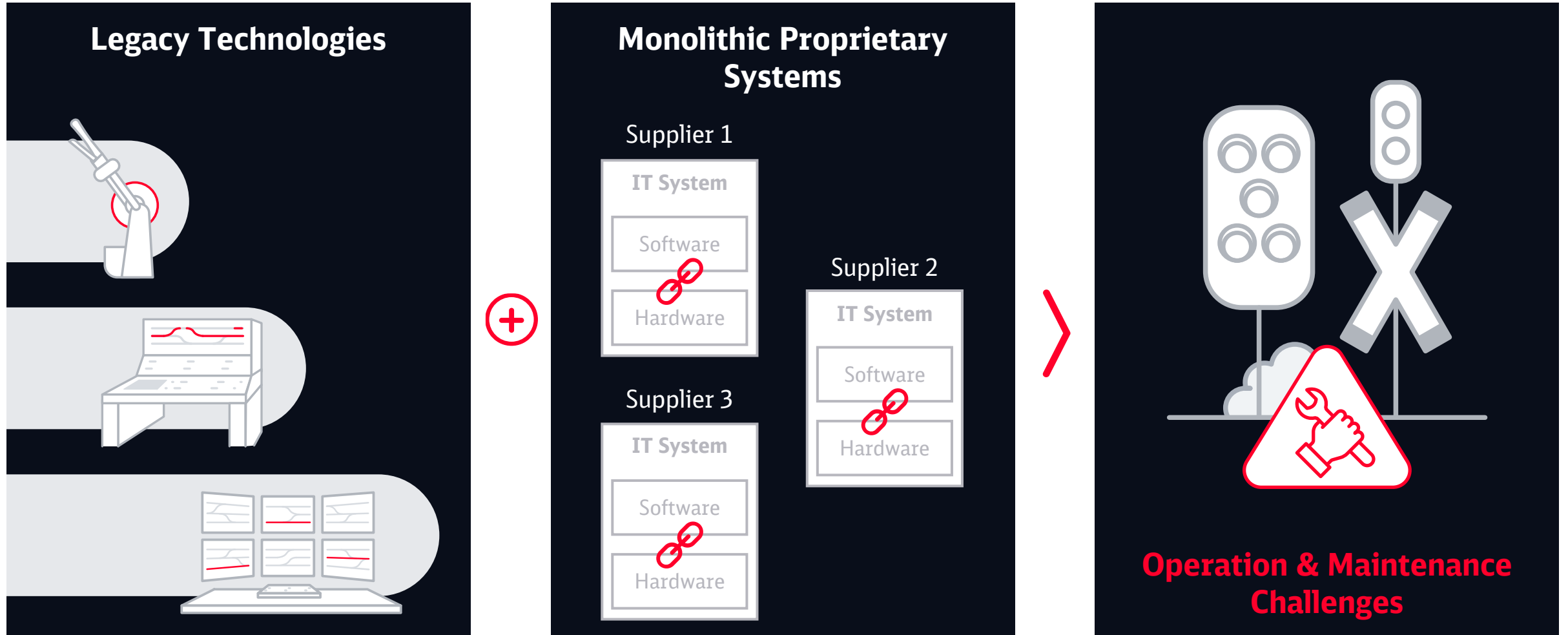


Bundesministerium
für Wirtschaft
und Energie

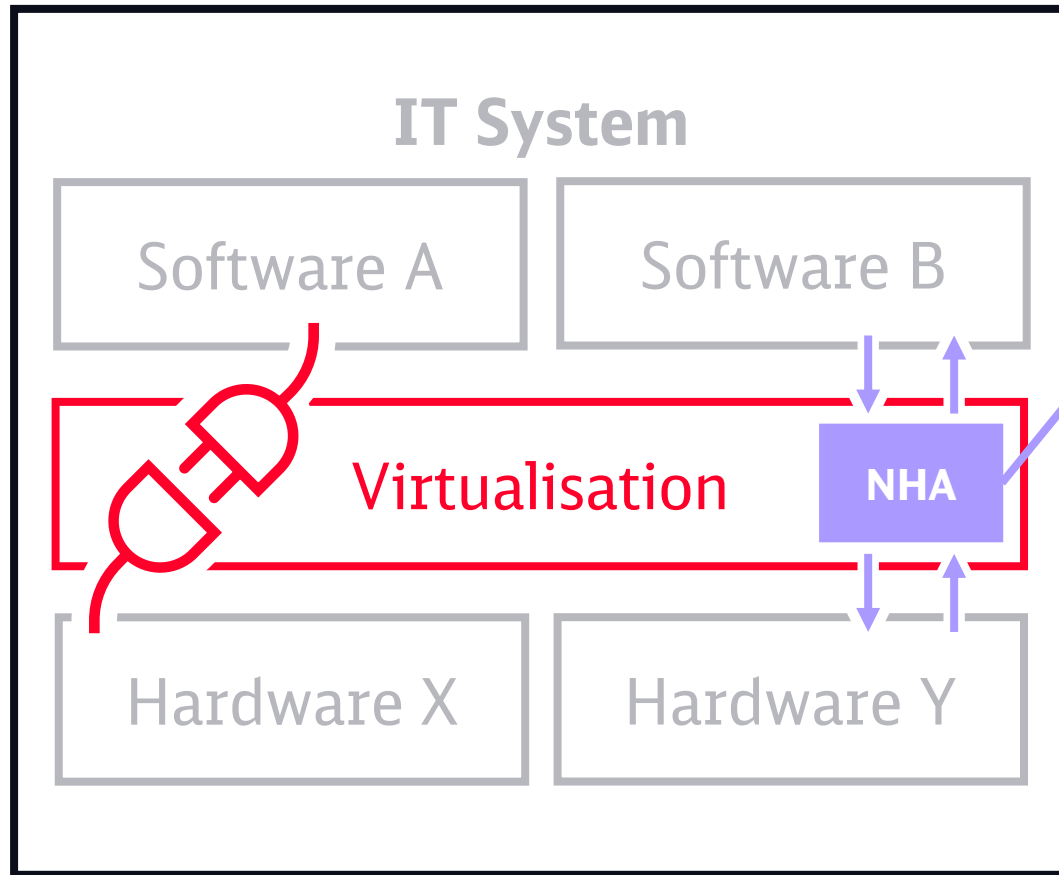
aufgrund eines Beschlusses
des Deutschen Bundestages



Cloud4Rail tackles current Challenges in Operations & Maintenance



Cloud4Rail architecture enables the standardised decoupling of digital signalling applications from IT platforms

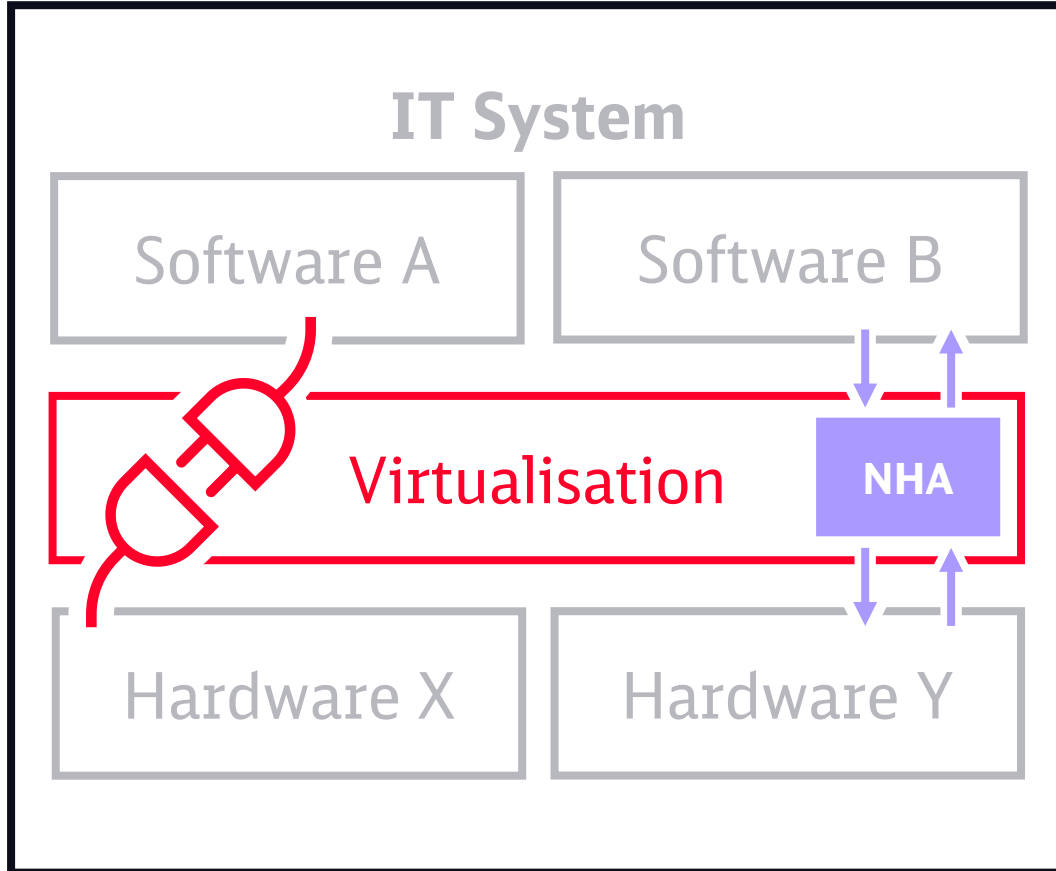


The Native Hardware Access (NHA) component, which is required for the safe operation of applications in a virtualised environment, was newly developed as part of the project and is now available to the rail sector as an open-source reference implementation on GitHub.

Learn more...



Cloud4Rail architecture is aligned across Europe



Cloud4Rail architecture unlocks significant benefits



Reduced capital investment



Lower lifecycle costs



Reduced space and energy consumption



Faster and more efficient upgrades



Enhanced resilience



Faster deployment

Cloud4Rail architecture has proven its practical viability



At „Digitalen Testfeld Bahn“ DB InfraGO and Siemens Mobility demonstrated under real-world conditions how a Radio Block Centre (RBC), as an exemplary safety-critical digital signalling (dLST) application, can be decoupled from the underlying hardware through virtualisation.

Learn More...



Cloud4Rail architecture is beeing deployed

