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## Virtual Verification Validation & Visualization

Design Type Certification Project May 22, 2020

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## **Design Type Certification - Benefits**

- Develop production ready cloud Architecture and Information Assurance plan for High Performance Computing in the Cloud. Applied best practices and corporate security measures to have a production ready solution.
- Establish configured instances of the V4I Framework assets for Design Type Certification. Artefacts are developed for use in future projects and provide a baseline for extensions.
- Evaluate parallel scalability of FEA analysis of Fan Blade Off (FBO) with LS-DYNA in the cloud and evaluate business practices for cloud computing.
- Provide feedback to LS-DYNA developers on parallel performance of LS-DYNA to help improve the overall code

**/4 Institute** 

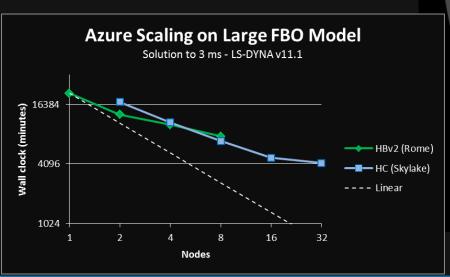
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## **Design Type Certification**

Institute

This project evaluated parallel scalability of a Fan Blade Off calculation in the Azure Cloud using LS-DYNA and applied the V4I Framework to Design Type Certification analysis.











## Advanced Assurance in Manufacturing