

VERIFIED VINDICATION

Measure twice, cut once



You have developed a system that you need to qualify or integrate? You will have to prove that all requirements are satisfied – be it a standard, a functional requirement or a regulations issue. We manage any necessary testing activity, define test scenarios and procedures and we document results according to requirements. Our expertise in the automation of test environments can enhance the efficiency of your testing activities.

Planning & Management of testing activities

Definition of test cases

Creation of test descriptions and documentation

Execution of integration and formal admission tests

SW/HW integration, system/system integration

Test Automation

IN DISTRESS? DE-STRESS ...

Deliver Solutions



You want to assign the development of mechanical components or you need support for your development activities? Benefit from our experience in Design and Stress Engineering and with any relevant methods and design tools. We will also review your design drawings after completion and assist you in complying with any specification and requirement.

Mechanical Design Engineering

Static & Stress Engineering

Digital Mockup Integration

Design Documents Check (technical and formal)

Parts List Analysis

Processing of quality notes and deviation sheets

ADS – AVIONIC DESIGN SERVICE

Want to know more about our portfolio and how we can help you to achieve your goals?

Contact us for a personal meeting and let us show you how you can benefit from our extensive experience in aerospace projects.



Source: LepoReilo, Wikimedia Commons

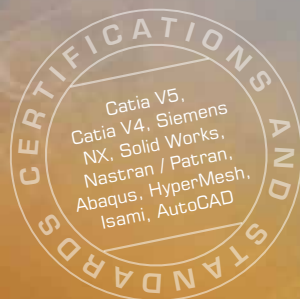
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Mastering Aviation Engineering

stay on track.



Avionic Design Service GmbH (ADS) is a medium-sized company, founded in 2005 as a service provider in the area of system and software developments for the aerospace industry. ADS is subdivided in six Competence Centers, with the purpose to strengthen and combine our Core Competencies:

PURE PERFECTION

Planning to meet the future

ANY QUESTIONS?

Designed for flight, before leaving the ground

SIMPLE STEPS

Guiding complexity to simplicity



INNOVATION MOTOR

Development of Software Tools, to support Engineering Activities



PROJECT & PROCESS MANAGEMENT

Consulting Services, Training and Support for your PMO



AIRWORTHINESS & QUALIFICATION

Consulting Services, Training and Support for your Qualification Activities



SYSTEMS & SOFTWARE ENGINEERING

Development Activities, focused on Aerospace Products



VERIFICATION & VALIDATION

Creation and Analysis of Specifications; Testing Activities (Embedded Systems)



DESIGN & STRESS ENGINEERING

Mechanical Engineering



You want to implement or analyse processes and methods within your Project Management Organisation, or make processes measurable? Our experts will assist you with their vast experience and best practices. We define or audit your Project and Process Management Methods and uncover bottlenecks. We then support your efforts in defining and implementing a target process and will staff individual roles within your PMO if needed – from Project Manager to Project Controller.

Interim Management & PMO

Project Controlling, Monitoring, Reporting (KPIs)

Risk Management

Requirements Management

Configuration and Change Management

Lean Management

Analysis and optimization/standardization of Processes, Methods and Tools



Are you facing the challenge to qualify and approve components, hardware, software or complete systems for airborne use? We can guide and assist you throughout the entire authorisation process. You can take advantage of the tools we developed to map your entire qualification workflow and all your specific requirements – from standards and regulations to functional requirements.

Qualification and certification of airborne systems and software

Planning and management of qualification activities

Implementation of qualifications processes

Creation of qualification documents

Review of evidence

Close collaboration with customer and authorities (NCO, EASA, LBA, KBA etc.)



You have to develop a software or system based on a specification, or to create such a specification? We can show you how to analyse and create such specifications and thereby minimise time to completion, budget, design iterations and rework. We also support you in planning and managing your System and Software development projects, define new and improve existing processes and methods.

Creation and analysis of specifications for embedded systems

Planning and management of full software development process according to standards

Implementation of software and applications

Development of software modules and embedded software for complex systems

SW/SW test, SW/HW integration test

Creation of software documentation

Code analysis, reviews and inspections

