



# NUMERICAL SIMULATION FOR AVIATION

Simulation meets reality – for better products and faster development from a single source



**FAST AND RELIABLE RESULTS**



**SEAMLESS CONNECTION BETWEEN SIMULATION AND TESTING**



**FROM INDIVIDUAL COMPONENTS TO COMPLETE SYSTEMS**

## OVERVIEW OF OUR SERVICES

In accordance with standards such as VDI 2230 and FKM



**Structural Mechanics & Strength Analysis (FEM)**



**Coupled multiphysics simulations for realistic operating conditions**



**Combined simulation and testing for high-precision and reliable model development**



**Fluid Dynamics & Thermal Management (CFD)**



**System Simulation & Functional Modeling (1D)**



## CONTACT

**Head of Simulation**  
**Mazen Abou-Elfadil**  
mazen.abouelfadil@pts-prueftechnik.de  
+49 175 1810 187

**For all other services, please contact our sales team:**  
vertrieb@pts-prueftechnik.de | +49 7171 9080071



Scan the QR Code to visit our website.