

PROF. DR. HENRIK JOHANSSON

h.johansson@email.com | +46 70 1234567 | Gothenburg, Sweden

RESEARCH PROFILE

Distinguished aerospace engineering executive with 24 years spanning academic research, R&D leadership, and large-scale defense program management. Led engineering teams of 800+ on multi-billion-euro defense platforms. Former Associate Professor at Chalmers University with 35+ peer-reviewed publications. Deep expertise in systems engineering, aerostructures, and digital twin technology. PhD in Aerospace Engineering from KTH Royal Institute of Technology.

ACADEMIC & PROFESSIONAL APPOINTMENTS

Director of Engineering, Combat Aircraft Division

February 2018 – Present

European Aerospace & Defense Group, Gothenburg

- Leading all engineering activities for a €4.5B next-generation combat aircraft program with 800+ engineers across 4 countries.
- Established the digital engineering framework including model-based systems engineering (MBSE) and digital twin integration.
- Managed the technical coordination across 6 international partner companies within the multinational development consortium.
- Drove the adoption of additive manufacturing for flight-critical structural components, achieving 30% weight reduction and 40% cost savings.
- Presented program technical status and risk assessments to the multinational Steering Board and national defense ministries.
- Authored the engineering strategy roadmap aligning 5-year technology investment with defense capability requirements.

Chief Engineer, Aerostructures

January 2012 – January 2018

Scandinavian Aerospace Corp., Linköping

- Technical authority for all aerostructure design, analysis, and manufacturing engineering (wing, fuselage, empennage).
- Led a team of 350 structural and manufacturing engineers delivering flight-qualified hardware for 3 concurrent aircraft programs.
- Directed certification campaigns resulting in successful type certification on first attempt for 2 major aircraft variants.
- Established the company's composites center of excellence, growing capabilities from prototype to full-rate production.

Associate Professor / Senior Research Engineer

September 2005 – December 2011

Chalmers University of Technology, Gothenburg

- Led research group of 12 PhD students and 5 postdoctoral researchers in computational aerostructures.
- Secured €4.2M in competitive research funding from EU Framework Programme 7 and Swedish Research Council.
- Published 35+ peer-reviewed journal articles and conference papers; h-index of 22.
- Supervised 6 PhD candidates to successful defense; served as examiner for 4 additional dissertations.

EDUCATION

PhD Aerospace Engineering

2005

KTH Royal Institute of Technology, Stockholm

Licentiate of Engineering

2003

KTH Royal Institute of Technology

MSc Aerospace Engineering

2000

KTH Royal Institute of Technology

SKILLS & EXPERTISE

- Systems Engineering
- Digital Twin
- Defense Program Mgmt
- Composites
- MBSE
- Aerostructures
- R&D Strategy
- Academic Research