

Your knowledge advantage for successful electric flight projects. Proven insights from industry pioneers. Safety in planning and implementation - your key to innovation.

Our speakers



Axel Lange
Engineer, Pilot



Vladislav Gribov
Development



TAKE OFF INTO THE ELECTRIC AVIATION ERA

3-DAY INTENSIVE COURSE

KNOW-HOW FOR ENGINEERS:

Battery systems, power electronics, electric motors. This 3-day intensive course offers aircraft developers (Class 1-3) practical knowledge for efficient performance and timely certification.

- ✔ Fundamentals Electric Aircraft
- ✔ Safety analysis
- ✔ System development
- ✔ Test procedures

The future of aviation must be sustainable.
The RED Pioneers Academy was founded
to empower engineers to pave the way for
electric aviation. – Axel Lange



Book online at
<https://academy.lange-aviation.com>

Agenda – 3-day course

DAY 1 Introduction to Electric Aviation

- Learn about essential components such as motors, power electronics, and batteries.
- Overview of architectures of electric propulsion systems and their functions.
- Certification processes for electric propulsion systems in general aviation (CS-23).

DAY 2 Safety Analysis for Electric Propulsion Systems

- Delve into functional safety and risk management methods.
- Introduction to Functional Hazard Analysis (FHA) and Failure Mode and Effects Analysis (FMEA).
- Redundancy and safety objectives for electric propulsion systems.

DAY 3 System Development and Test Procedures

- Practical exercises with system components such as the EDCS-4 main computer and power electronics.
- Overview of hardware and software development processes according to DO-178C/DO-254.
- System verification and test strategies according to aviation standards.

Price: 3,200 € p.P. plus VAT.

The RED Pioneers Academy, organized by Lange Aviation GmbH, is dedicated to further education in sustainable aviation. With over 25 years of experience, we train the next generation of engineers to shape the transformation to electric aviation.