Electric Gliding Conference
Ålleberg, Sweden
31 August 2022

Introduction

- Jelmer Wassenaar
- Glider Pilot since 1996
- Competition pilot since 2000
- Gliding instructor since 2005
- Aerospace engineering degree Delft May 2009
- Aerodynamic design with Loek Boermans
- Design engineer at DG Flugzeugbau since October 2009
- Head of design organization DG since 2012

Organizational changes at DG

- Split up of the company in October 2021
- DG Flugzeugbau GmbH
  - EASA approved production organization
  - Owned by Volocopter
  - Supplier of DG Aviation GmbH
- DG Aviation GmbH
  - LBA approved maintenance facility
  - EASA approved Design Organization
  - Sales of DG and LS (powered) sailplanes
  - Supply of spare parts for DG & LS fleet

LS8-e neo

LS8-e neo

Aerodynamics

LS8-e neo

Ergonomics

LS8-e neo

Safety features

LS8-e neo

FES – Front Electric Sustainer

LS8-e neo

FES – Front Electric Sustainer

DG-1001e neo

DG-1001e neo

Features

DG-1001e neo

Project goals

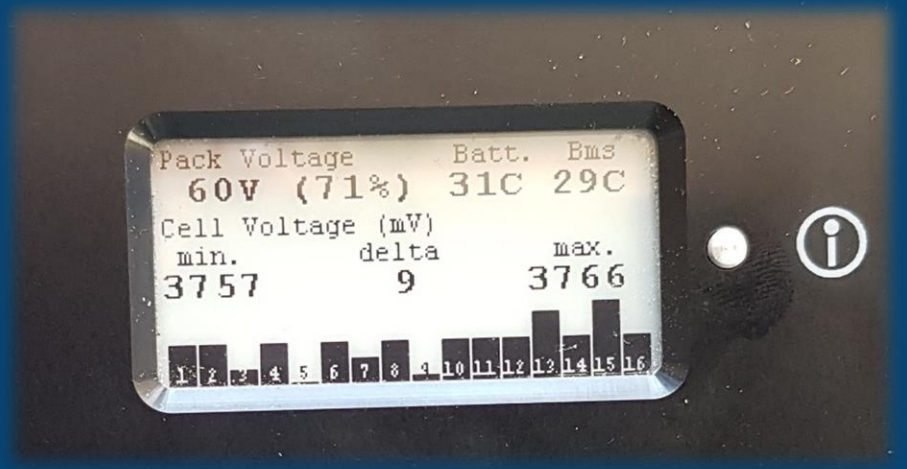
The cockpit size to remain unchanged!

DG-1001e neo

Internal details

DG-1001e neo

Planned improved battery

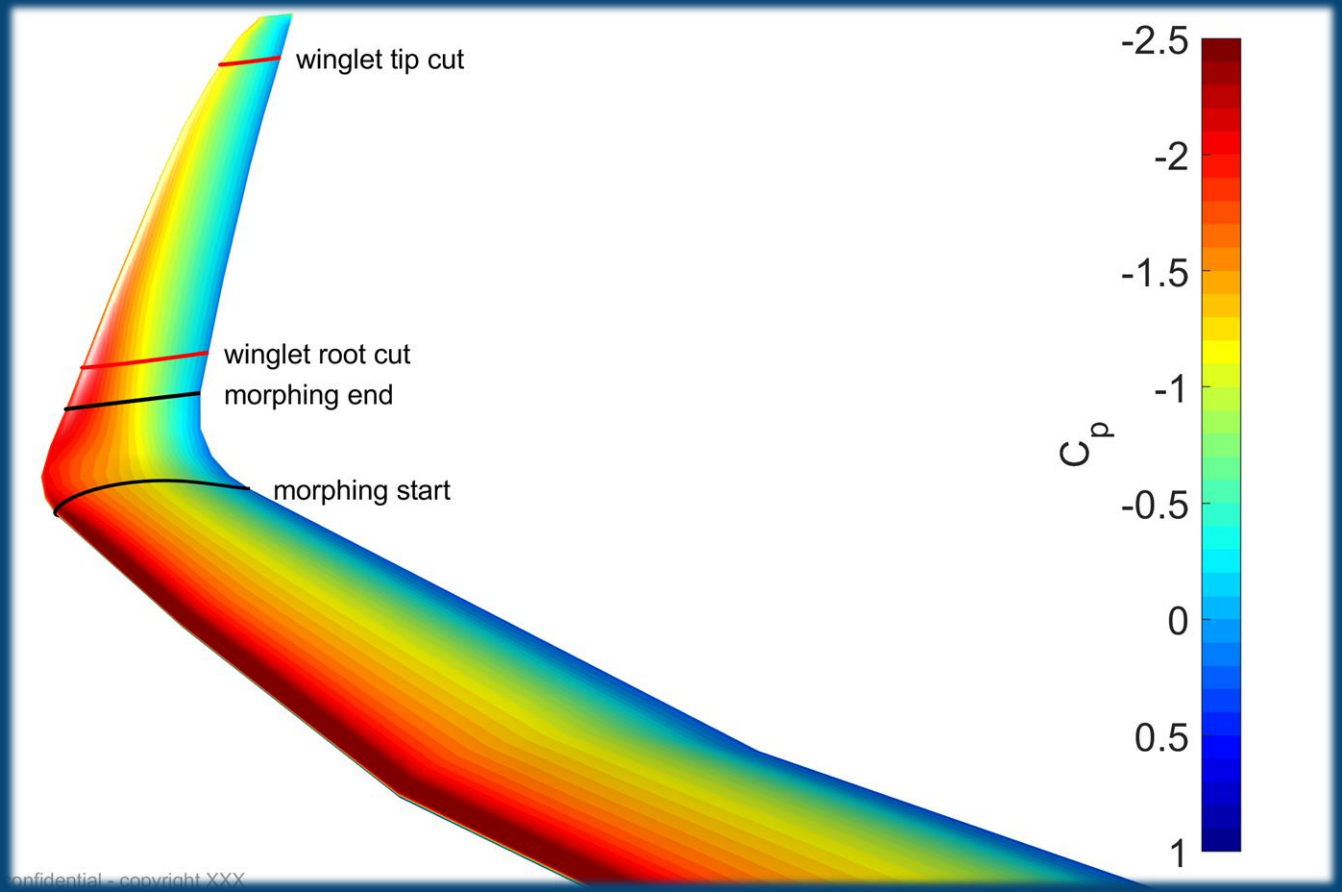


2 FES Gen. 4 battery packs:
16S30P 18650 cells / ~ 9.5 kWh
~28kg per battery pack

DG-1001e neo

Aerodynamics

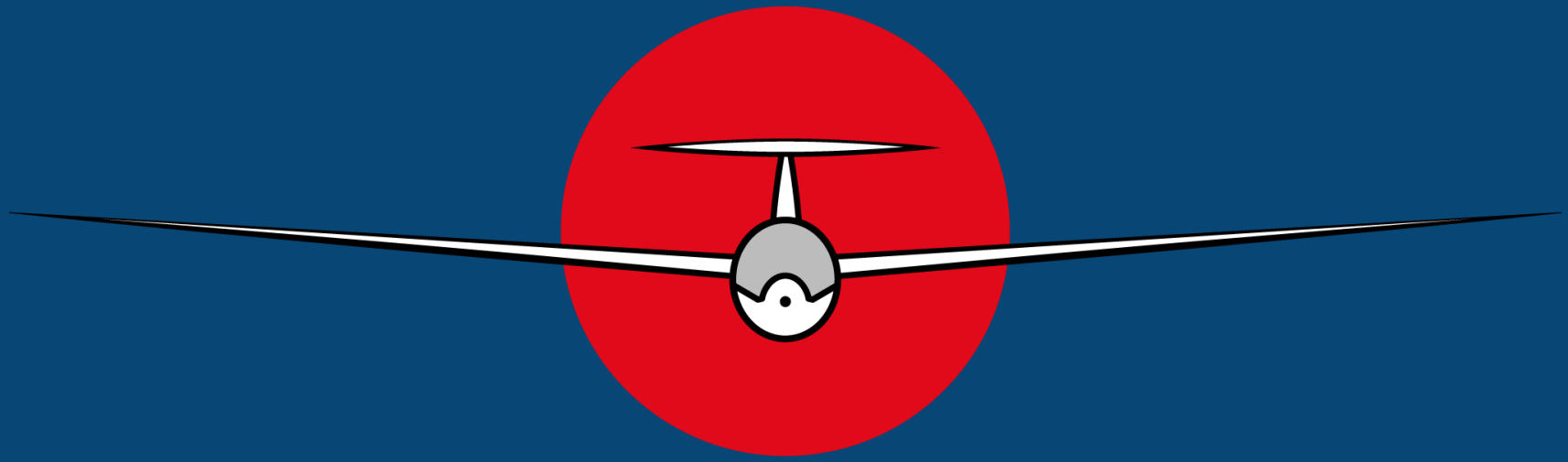
- Aerodynamic Design by Johannes Dillinger
- Structural Design by DG
- Flight tests, spinning, flutter
- EASA certification June 2022



Spin testing LS6-b neo winglets

DG-1001e neo

Test flying



Questions?