

## APPROVAL CERTIFICATE

EASA.21J.750

Pursuant to Regulations (EU) 2018/1139 and (EU) 748/2012 and subject to the conditions specified below, the Agency hereby certifies

### **HENSOLDT Sensors GmbH**

**Willy-Messerschmitt-Str. 3  
82024 Taufkirchen  
Germany**

as a DESIGN ORGANISATION

approved according to Part 21, Section A, Subpart J.

#### CONDITIONS :

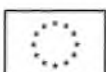
1. The approval is limited to that specified in the enclosed Terms of Approval, and
2. This approval requires compliance with the procedures specified in the Design Organisation Handbook, reference HMS-D-12161, in the latest revision, and
3. This approval is valid whilst the approved Design Organisation remains in compliance with Part 21, Section A, Subpart J.
4. Subject to compliance with the foregoing conditions, this approval shall remain valid until surrendered or revoked.

For the **European Union Aviation Safety Agency**,

Date of issue: 2 December 2022



Hans LUNDSTRÖM  
Senior DOA Team Leader





Hans LUNDSTRÖM  
Senior DOA Team Leader  
Certification Directorate

Ref. Ares(2022)\_\_\_\_\_

HLU/CTO/CT.3  
Cologne, .12.2022

**HENSOLDT Sensors GmbH**  
Dr Klaus MANDT - Office of Airworthiness  
Woerthstrasse 85  
89077 Ulm  
Germany

**Subject:** EASA.21J.750 - Design Organisation Approval to HENSOLDT Sensors GmbH  
**Reference:** EASA Form 80 dated 09/01/2020  
**Attachment:** 1. DOA Certificate dated 02/12/2022 (original)  
2. Terms of Approval, Issue 1 dated 02/12/2022 (original)

Dear Mr Mandt,

On behalf of the European Union Aviation Safety Agency, I am pleased to enclose herewith the EASA Approval Certificate certifying **HENSOLDT Sensors GmbH** as a Design Organisation, following positive evaluation by EASA.

Henceforth the approved design organisation shall be entitled to perform design activities under applicable European regulations and within the scope of the Terms of Approval herein enclosed.

Information about this EASA approval can be found on EASA webpage:

<http://easa.europa.eu/easa-and-you/aviation-domain/aircraft-products?page=design-organisations>

Yours sincerely,

A handwritten signature in black ink, appearing to be 'CTolis', written over a horizontal line.

Christina TOLIS  
DOA Administrative Assistant

Cc:  
B PEHLIVAN – EASA  
A PHILIPP – LBA



An agency of the European Union

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ISO 9001:2008 Certified

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Terms of Approval 21J.750  
Issue 1, 02.12.2022

HENSOLDT Sensors GmbH

## Terms of Approval

### Design Organisation Approval Certificate

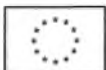
#### EASA.21J.750

### 1 Scope

This Design Organisation Approval is applicable for the scope defined in Annex A and Annex B for design work with regard to the airworthiness, operational suitability and environmental characteristics of the products.

### 2 Privileges

- a) (Reserved)
- b) (Reserved)
- c) The holder of this design organisation approval shall be entitled, within the scope of this terms of approval, and under the relevant procedures of the design assurance system:
  1. to classify changes to a type-certificate or to a supplemental type-certificate and repair designs as "major" or "minor";
  2. to approve minor changes to a type-certificate or to a supplemental type-certificate and minor repair designs;
  3. (Reserved);
  4. (Reserved);
  5. [not applicable];
  6. [not applicable];
  7. [not applicable];
  8. [not applicable];
  9. [not applicable].



### 3 Obligations

The holder of this design organisation approval shall, within the scope of this terms of approval:

- a) maintain the handbook required under point 21.A.243 in conformity with the design assurance system;
- b) ensure that this handbook or the relevant procedures included by cross-reference are used as a basic working document within the organisation;
- c) determine that the design of products, or changes or repairs thereto comply with the applicable specifications and requirements and have no unsafe features;
- d) provide the Agency with statements and associated documentation confirming compliance with point (c), except for approval processes carried out in accordance with point 21.A.263(c);
- e) provide to the Agency data and information related to the actions required under point 21.A.3B;
- f) [not applicable];
- g) [not applicable];
- h) designate data and information issued under the authority of the approved design organisation within the scope of its terms of approval as established by the Agency with the following statement: "The technical content of this document is approved under the authority of the DOA ref. EASA.21J.750".

Date of issue: 02/12/2022



Hans LUNDSTRÖM  
Senior DOA Team Leader

## Annex A

### Scope of work

	TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
<b>Large and small aeroplane</b>								
<b>Avionics</b>								
Autoflight systems				■		■		
Communication systems				■		■		
Indicating, Alerting systems				■		■		
Navigation systems				■		■		
Recording systems				■		■		
Surveillance systems				■		■		
<b>Cabin</b>								
Electrical cabin systems				■		■		
<b>Electrical Systems</b>								
Electrical generation / distribution systems				■		■		
Wireless transmission systems				■		■		
<b>Large and small rotorcraft</b>								
<b>Avionics</b>								
Autoflight systems				■		■		
Communication systems				■		■		
Indicating, Alerting systems				■		■		
Navigation systems				■		■		
Recording systems				■		■		
Surveillance systems				■		■		
<b>Cabin</b>								
Electrical cabin systems				■		■		
<b>Electrical Systems</b>								
Electrical generation / distribution systems				■		■		
Wireless transmission systems				■		■		

**Legend:**

■	Title for category of product
■	Title for design scope
■	Title for design area

■	Within scope
□	Outside scope

### List of products

[not applicable]

### Limitations

#### Limitations common to all products and activities

1. Design activities requiring flight testing are excluded
2. Development of Operational Suitability Data excludes the OSD constituents CCD, FCD, SIMD and MCSD
3. Changes to MMEL are excluded when they are not related to type design change approvals held by the Design Organisation
4. The privilege under paragraph 2(c)(2) excludes changes to the aircraft flight manual and supplements.
5. Design activities on Electrical cabin systems are limited to mission systems and cabin monitoring systems.

## Annex B

### ETSO Authorisation

ETSO	Title
C102	Airborne Radar Approach and Beacon Systems for Helicopters
C109	Airborne Navigation Data Storage System
C112	Secondary Surveillance Radar Mode S Transponder
C113	Airborne Multipurpose Electronic Displays
C115	Required Navigation Performance (RNP) Equipment using Multi-Sensor Inputs
C118	Traffic Alert and Collision Avoidance System I (TCAS I)
C119	Airborne Collision Avoidance System II (ACAS II) Version 7.1 with Hybrid Surveillance
2C123	Cockpit Voice Recorder System
2C124	Flight Data Recorder Systems
C151	Terrain Awareness and Warning System (TAWS)
C155	Recorder Independent Power Supply
C165	Electronic Map Systems for Graphical Depiction of Aircraft Position
C166	Extended Squitter Automatic Dependent Surveillance-Broadcast (ADS-B) and Traffic Information Service-Broadcast (TIS-B) Equipment Operating on the Radio Frequency of 1090 Megahertz (MHz)
2C176	Aircraft Cockpit Image Recorder Systems
2C177	Data Link Recorder Equipment
2C35	Radar Marker Receiving Equipment
C87	Airborne Low-Range Radio Altimeter
2C169	VHF Radio Communications Transceiver Equipment Operating within the Radio Frequency Range 117.975 to 137 Megahertz
2C197	Information Collection and Monitoring Systems
2C501	Mode S Aircraft Data Link Processor
2C514	Airborne Systems for Non-Required Telecommunication Services (in Non-Aeronautical Frequency Bands) (ASNRT)