



THE AVIATION AM CENTRE



AVIATION SOLUTIONS
BY ADDITIVE MANUFACTURING





THE AVIATION AM CENTRE

AVIATION SOLUTIONS

WE MANUFACTURE AVIATION PARTS – CHEAPER, BETTER AND FASTER.



THE AVIATION AM CENTRE



INNOVATION



ADDITIVE
MANUFACTURING



INDUSTRIALIZATION

KEY SOLUTIONS

END TO END SOLUTIONS FOR EACH DEMAND



THE AVIATION AM CENTRE

ADDITIVE MANUFACTURING

EACH PART AND MACHINE IS AVIATION APPROVED.



THE AVIATION AM CENTRE

LICENCE MODEL

WE ARE THE ONLY ONES WHO DELEGATE OUR AVIATION LICENSES TO OUR CUSTOMERS FOR PRINTING AT THEIR LOCATIONS.

ECO AM SOLUTION – AM Spares on Demand

AM Onboarding (approx. 3 months, on-site and remote workshops)

- Technology Introduction (understanding the technology, possibilities and limitations)
- Part Selection criteria (economical and technical perspective)
- Machine capabilities (selecting the right applications)
- Operational IP Insights, case-studies (realizing the benefits of AM technology) - OPTIONAL

Develop initial AM Part Catalogue (approx. 3-6 months, partly concurrent with Onboarding)

- On-site Aircraft screening process (bringing all our Aviation knowledge to your hangar)
- Identification of candidate AM parts (identify failure cases and potential remedies)
- Joint review of cabin part consumption (combining business, aviation and AM knowledge)
- Technical Review, potential savings (develop AM business cases) - OPTIONAL

Parts Supply (approx. 6 months, partly concurrent with Catalogue)

- Production of sample parts, benchmarking
- Part assessment and selection
- Specification review and FAI acceptance
- Part Certification Support- OPTIONAL

Production Solution (approx. 3-6 months after onboarding, depending on use-cases)

- On-demand part ordering
- AOG Support - OPTIONAL
- Supply optimization and worldwide delivery - OPTIONAL
- Part-specific design / process optimization
- Continued development of AM Parts Catalogue - OPTIONAL

BUSINESS AM SOLUTION – In-House AM Production

INCLUDES ECO AM-SOLUTION baseline packages as above

AM Cell Installation (approx. 6-9 months, depending on existing facility)

- Specification of a suitable facility for in-house AM production
- Project Management Support for Installation of Technical Infrastructure - OPTIONAL
- Installation and power-on support of the in-house AM Production hardware
- Staff Training, Engineering Enablement for working in a P21G and P21J setup
- Part Certification support by AAM P21J and P21G experts - OPTIONAL

AM Factory Operation (concurrently with setup of production line)

- P21G OPS Compliance continued awareness, trainings and audits
- Setup of P21G umbrella approval: QMS adaptation, I/F procedures, Service Level Agreements
- On-site Machine Operator, on-site or remote Application Engineering- OPTIONAL
- Pre-qualification of AM material batches - OPTIONAL
- Certifying Staff for issuance of Airworthiness Certificates, on-site or remotely

P21J Design Support for P21G Parts Production

- Full P21G Licensing Support for one year
- P21J Design for AM Engineering training- OPTIONAL
- AOG Support 24-7 Hotline- OPTIONAL
- Setup of a Design Branch of AAM Design Center- OPTIONAL

CROWN AM SOLUTION – DIGITAL AM FACTORY

**INCLUDES ECO AM-SOLUTION baseline packages as above
INCLUDES BUSINESS AM-SOLUTION Package as above**

CROWN AM OPS Program (from 12 months of in-house AM production)

- Continued P21J Part Design Certification
- Continued AM part identification and catalogue development
- AM sales training and support
- ISO 9001, ISO 9100 certification - OPTIONAL

Digital Remote Factory enablement

- Delegation of Certifying Staff privileges under AAM license
- Unlimited issuance of airworthiness Certificates (Form 1)
- Installation of Hardware connectivity and network alignment
- Remote OPS software suite installation, user training, support
- QM System Adaptation for remote OPS (I/F Procedures, Service Level Agreements)
- Access to customized AM Parameter Sets within the digital factory- OPTIONAL
- Standardized P21G operational procedures and documentation - OPTIONAL



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OUR PACKAGES

END TO END SOLUTIONS FOR EACH DEMAND



THE AVIATION AM CENTRE

FUTURE

TOGETHER WITH OUR PARTNERS, WE CREATE NEW PRODUCTION SOLUTIONS.



THE AVIATION AM CENTRE

WHO WE ARE

BUNDESREPUBLIK DEUTSCHLAND
LUFTFAHRT-BUNDESAMT



Mitgliedstaat der Europäischen Union
A Member of the European Union

BESCHEINIGUNG DER GENEHMIGUNG ALS HERSTELLUNGSBETRIEB
PRODUCTION ORGANISATION APPROVAL CERTIFICATE

Aktenzeichen: DE.21G.0204
Reference: DE.21G.0204

Gemäß der Verordnung (EU) Nr. 2018/1139 des Europäischen Parlaments und des Rates und der Verordnung (EU) Nr. 748/2012 der Kommission in ihrer geltenden Fassung und vorbehaltlich der im Folgenden angegebenen Bedingungen bescheinigt das Luftfahrt-Bundesamt hiermit Pursuant to Regulation (EU) No 2018/1139 of the European Parliament and of the Council and to Commission Regulation (EU) No 748/2012 for the time being in force and subject to the condition specified below, the Luftfahrt-Bundesamt hereby certifies

The Aviation AM Centre GmbH
Fichtenstraße 53
40233 Düsseldorf

die Genehmigung als Herstellungsbetrieb entsprechend dem Anhang I (Teil 21) Hauptabschnitt A, Abschnitt O der Verordnung (EU) Nr. 748/2012, dem die Herstellung von Erzeugnissen, Teilen und Ausstattungen, die im befristeten Genehmigungsumfang aufgeführt sind, sowie die Erteilung entsprechender Bescheinigungen unter Verwendung der obigen Bezugsdokumente genehmigt ist. as a production organisation in compliance with the Annex I (Part 21), Section A, Subpart G of Regulation (EU) No 748/2012, approved to produce products, parts and appliances listed in the attached approval schedule and issue related certificates using the above references.

BEDINGUNGEN
CONDITIONS

- Die Genehmigung ist auf den in den beiliegenden Genehmigungsbedingungen angegebenen Umfang beschränkt.
This approval is limited to that specified in the enclosed terms of approval, and
- Diese Genehmigung erfordert die Einhaltung der im Betriebsanbuch des Herstellungsbetriebs spezifizierten Verfahrensvorschriften.
This approval requires compliance with the procedures specified in the approved production organisation exposition, and
- Die Genehmigung ist gültig, solange der zugelassene Herstellungsbetrieb die Anforderungen des Anhang I (Teil 21) der Verordnung (EU) Nr. 748/2012 einhält.
This approval is valid whilst the approved production organisation remains in compliance with Annex I (Part 21) of Regulation (EU) No. 748/2012.
- Vorbehaltlich der Erfüllung der vorstehenden Bedingungen behält die Genehmigung ihre Gültigkeit für eine unbegrenzte Dauer, sofern sie nicht zurückgegeben, ersetzt, ausgesetzt oder widerrufen worden ist.
Subject to compliance with the foregoing conditions, this approval shall remain valid for an unlimited duration unless the approval has previously been surrendered, superseded, suspended or revoked.

Datum der Erstausstellung: 7. Oktober 2022
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LUFTFAHRT-BUNDESAMT
im Auftrag
p.p.

Unterschrift (Butterwege)
Siegel

EASA Form 008 (04. Ausgabe) 1
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WE ARE A LICENSED PART-21/G PRODUCTION ORGANIZATION SPECIALIZED IN ADDITIVE MANUFACTURING (AM) AND APPROVED TO DELEGATE OUR LICENSES TO CUSTOMERS.

WE OFFER OUTSTANDING CABIN SOLUTIONS TO REDUCE AIRCRAFT MAINTENANCE, MODIFICATION AND RETROFIT EFFORTS.

WE ARE BASED IN DUESSELDORF, GERMANY. THE HEART OF EUROPE.



THE AVIATION AM CENTRE

OEM



AIRLINE



ENGINEERING



TECHNOLOGY PARTNER



EXTRACT OF PARTNERS AND CUSTOMERS

PARTNERS

THEY TRUST US



THE AVIATION AM CENTRE



CERTIFIED PRODUCTION ORGANISATION
PART-21/G – EASA – FAA EXTENDED



GERMAN GOVERNMENT RESEARCH PARTNER IN
“RECYCLING IN ADDITIVE MANUFACTURING”

Ministry of Culture and
Science of the State of
North Rhine-Westphalia



STATE GOVERNMENT RESEARCH PARTNER IN
“DECARB FACTORY FOR FUTURE X-INDUSTRY INTERIOR
PRODUCTION”



PARTNER OF THE GERMAN-EMIRATI-INSTITUTE
INTERNATIONAL INDUSTRY 4.0 COLLABORATION

ACHIEVEMENTS

UNLOCKING SUCCESS



THE AVIATION AM CENTRE

CONTACT

HAVE AN IDEA OR PROJECT WE
CAN HELP WITH?
LET'S MAKE SOMETHING GREAT
TOGETHER!

GERMANY

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