

Speedfire T19 A Presentation

Ready to start serial production

Invitation for investment





BUSINESS CONCEPT

This Project describes the new Speedfire T19A sports and training aircraft, which is equipped with a Rotax 912 engine and is made entirely of Pre-Preg Carbon Composite. It currently represents the state-of-the-art technologies for sports and training aircraft and is ready to start the serial production for the world market.

UNIQUE FEATURES & TECHNOLOGIES

- **Engine: Rotax 912 ULS with 95 octane and low consumption**
- **Full Pre-Preg Carbon Composite Structures (Latest Technology)**
- **Easily removable wings for transportation**
- **Retractable undercarriage (low operating costs)**
- **Safety: In an emergency, the entire aircraft is saved with a ballistic parachute system**
- **Runway: The aircraft can take off and land on almost any runway within 150 m (grass, field, asphalt, concrete)**

General Specifications

Tandem, 2 Seater
Ultralight

Pre-Preg Carbon Structure

Low Wing Aircraft

Retractable Landing Gears

Ballistic Parachute

Ultralight Type Certified

ROTAX 100 HP Engine



Technical Specifications

| | |
|----------------------------------|---------------------|
| Max. Empty Weight | 297,0 kg |
| MTOW | 472,5 kg |
| Wing Area | 9,96 m ² |
| Stall Speed | 65 km/h |
| Maximum Speed (V _{NE}) | 380 km/h |
| Cruise Speed | 280 km/h |
| Wing Span | 7,94 m |
| Fuselage Length | 7,10 m |
| Height | 2,41 m |
| Landing / Take-off dist. | 150 m |



Development , Production & Certification Process



Delivery of Fuselage Molds



Fuselage Composite Parts Production

Design

Production

Tests and Certification

Development , Production & Certification Process



Preparation for High Speed Taxi



First Flight at Etimesgut Airport / Ankara

Design

Production

Tests and Certification

SPEEDFIRE T19A TC-UUB Completion of Test Flights (March 2017)



SPEEDFIRE T19A German & Turkish Type Certification Awards (24.03.2017)

Deutscher Aero Club e.V.
Luftsportgeräte-Büro

Beauftragter des Bundesministeriums für Verkehr und digitale Infrastruktur
Authorized Representative



Musterzulassungsschein
Type Certificate

für Luftsportgeräte

Nr.: 61230.1

Das nachstehend bezeichnete Luftfahrzeug ist als Muster zugelassen auf Antrag von:

THK Uçak İmalat San. Tic. A.Ş., 06797 Etimesgut / Ankara, Türkei

Dieser Musterzulassungsschein ist auf Grund der die Musterzulassung betreffenden Bestimmungen des Luftverkehrsgesetzes und der Luftverkehrs-Zulassungs-Ordnung in der am Tage der Ausstellung gültigen Fassung erteilt.

Die Musterzulassung gilt gemäß
zugehörigen Geräte-Kennblatt-Nr.: 61230.1
Bezeichnung des Gerätemusters/
Baureihe: T19A Speedfire

Geräteart: Ultraleichtflugzeug

Die Musterzulassung kann in den in § 4 Abs. 3 der Luftverkehrs-Zulassungs-Ordnung vorgesehenen Fällen widerrufen werden.
On application of the above and in accordance with the German Certification Regulations as of today, the Type Certificate for the following product is issued: Ultralight Aircraft.
The Type Certificate Data Sheet No. 61230.1 is part of this Type Certificate.

The Type Certificate may be revoked by the Authorized Representative in cases listed in the German Certification Regulations.

Datum der Ausstellung:
Date of issue:

Unterschrift
Signature

Braunschweig, den 24.03.2017

Deutscher Aero Club e.V.
Luftsportgeräte-Büro III



T.C.
ULAŞTIRMA, DENİZCİLİK VE HABERLEŞME BAKANLIĞI
Sivil Havacılık Genel Müdürlüğü

Sayı : 26005653-485/E.1501
Konu : Tip Sertifikası Kabulü Hk.

27/03/2017

THK UÇAK İMALAT SANAYİ VE TİCARET ANONİM ŞİRKETİ
THK Üniversite Tesisleri THK Uçak İmalat Hangarı Bahçekapı Mah. Okul Sok. No:11
Etimesgut /ANKARA

İlgi: 2017-GMD-100317 sayılı ve 24/03/2017 tarihli yazı.

Speedfire T19A tipi uçak için Alman DAeC Luftsportgerate tarafından yayınlanan tip sertifikasının Genel müdürlük tarafından kabulü için İlgi'de kayıtlı yazı ve ekleri ile yaptığınız talep değerlendirilmiştir.

SHY-M Kapsamına Girmeyen Hava Araçlarının Sürekli Uçuşa Elverişliliği Talimatı (SHT-MD) Madde 6 Fıkra 2 "Tip sertifikası Genel Müdürlük tarafından yayımlanır veya EASA, FAA, TCCA, ANAC, EASA üyesi ülke sivil havacılık otoriteleri ve söz konusu otoriteler tarafından yetkilendirilmiş kuruluşlar tarafından yayımlanmış tip sertifikası kabul edilir." hükmü gereği DAeC Luftsportgerate tarafından yayınlanan tip sertifikası ilave bir doğrulamaya ihtiyaç duyulmadan kabul edilmektedir.

Bilgilerinizi rica ederim.

Özcan BAŞOĞLU
Daire Başkanı

Gazi Mustafa Kemal Bulvarı No:128/A 06570 Maltepe ANKARA
Kep Adresi: shgm.gelen@hs01.kep.tr
Telefon Nu.: (0 312) 203 6054
e-posta: fatih.ceren@shgm.gov.tr, Internet adresi: www.shgm.gov.tr

Bilgi için:
Fatih ÇEREN
Uçuş Teknisyeni



Bu belge 5070 sayılı kanuna göre elektronik imzalıdır. Evrak Kaynak Doğrulama için <http://www.shgm.gov.tr> adresini ziyaret ediniz.



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SPINN-OFF PROJECT:

- Based on the know-how and experience of the already built and certified 2-seater sports and training aircraft, an unmanned Speedfire UAV aircraft will be built, certified and delivered within less than 2 years
- The new unmanned aircraft Speedfire UAV would be developed and manufactured with slight modifications / changes to the aircraft already built
- Hybrid engine: zero emissions with electric drive for take-off and landing

MARKET UND FORECAST OF UAVs:

According to "www.marketsandmarkets.com", the unmanned aircraft market will continue to grow in double digits to several billion USD in the next few years. The overall market will multiply and reach \$ 46 billion by 2025.

