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Efficient Solution for Flying Clubs – New Model CTLS^{® HL} Introduced.

At AERO 2010 Flight Design introduced the new model CTLS^{® HL} to complement the CTLS[®]. The aircraft will be EASA certified as LSA aircraft within the new ELA 1 system in compliance with CS-LSA. The aircraft is completely based upon the successful CTLS[®] in LSA version and was developed explicitly for use as a towing aircraft.

To achieve this, the turbocharged ROTAX 914 engine was installed, together with a 12% increase in wing span and wing area. The resulting aircraft, ideally suited for flying clubs, makes full use of cost benefits resulting from the ELA 1 definition (non-certified engine and propeller, non-TSOed glass cockpit options). The certification process for this aircraft is ongoing. CTLS^{® HL} can be ordered immediately with Permit to Fly, or with full type certificate if ordered for delivery after spring 2011.

Exemptions for older aircraft to obtain enhanced noise protection certificates are now discontinued. However, noise has become much more critical for a significant number of flying clubs, especially for towing aircraft located at glider airfields. Ultralight aircraft offer a cost effective solution. But they all have clear limit when it comes to heavy two-seat gliders and operation at higher elevation airfields (for example, on soaring ridges as the “Schwäbische Alb”). CTLS^{® HL} provides excellent climb performance because power is high and the aircraft empty weight is low thanks to the LSA definition and design. Due to this the CTLS^{® HL} even achieves lower noise levels than well-known touring motorgliders using the same turbocharged 914 engine have demonstrated.

With its extra power and lift capability Flight Design’s CTLS^{® HL} is perfect for float installation and is ideal for operation on high elevation airfields, especially in warm or hot locations. Flight Design plans to pursue these markets with CTLS^{® HL} after its introduction in Europe.

The CTLS^{® HL} provides a broad basic equipment and is for sale with the cockpit variants CLUB Analog, CLUB D60 or ADVANCED, with analog cockpit as well as with semi- or full-glass installation. All CTLS^{® HL} come with airframe emergency parachute installed. At an entry level price of € 92.612,11 (Net) the aircraft has a typical empty weight of 350 kg. The design weight of 700 kg allows a safe certification as LSA using 600 kg MTOW in the straight version, or 650 kg while on floats. The outstanding and well-known cruise performance of the CTLS[®] platform can be maintained. Flight test of the CTLS^{® HL} shall qualify the aircraft for towing of gliders of up to 850 kg.

Flight Design GmbH

Flight Design GmbH is located in 70771 L.-Echterdingen in Germany. The company has been financially very successful in aviation for 22 years. With deliveries starting in 1997, more than 1.300 CT-series aircraft have been delivered and they are operated in more than 30 countries worldwide. The aircraft type CT (Composite Technology), has been certified in compliance with several requirement standards, and has been the clear market leader in all major regions of the world.

Flight Design GmbH

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