



## JONKER SAILPLANES

Jonker Sailplanes Pty Ltd (JS) is a privately owned, South African company, who designs, manufactures and maintains sailplanes from their main facilities based at the Potchefstroom Airfield.

The first product, the JS1 Revelation, an 18m wingspan sailplane, was rolled out in 2006. In 2010 the JS1 Revelation was issued with a type certificate by the Civil Aviation Authority of South Africa (SA CAA); the first type certificate for an aircraft designed on the continent. The JS1 has been dominating the international contest scene since 2014 and was recently rewarded with gold medals in 2 classes in the 2017 World Gliding Championships in Australia.

Several new innovations have been introduced to the JS1 platform since the development of the prototype. In 2012 JS introduced the 21m version of the JS1, penetrating the open class market; in 2013 the JET Sustainer option build by our European partners M&D Flugzeugbau, and in 2014 the 18m "EVO" outboard wings, improving the performance of the 18m version. A Hand Control system, for pilots with reduced leg function, was also completed in 2014, offering disabled pilots access to a high performance glider.

In 2016, exactly 10 years after the release of the JS 1 Revelation, the JS3 Rapture flew its maiden flight. After five plus years of CFD work, which is the equivalent of more than 15 years of wind-tunnel work, Dr Johan Bosman, the company's Aerodynamicist, had developed a new fuselage shape which was ready to be developed into a new production glider. The new glider was named the JS3 Rapture and the aerodynamic shape was frozen in January 2016. Also in development is the JS1 Self Launcher which is a complementary product line with the ability to take off on own power, focused on the leisure market and addresses the need of 80% of the possible glider market.

M & D Flugzeugbau has requested the European Type Certificate at EASA, so that a registration in all EASA Member States would be possible. This application was made as part of an agreed partnership between Jonker Sailplanes and M & D. It is important to gain EASA Type Certification (TC) or Type Validation (TV), both for market confidence and to enable local registration in Europe.

With more than 100 products sold worldwide Jonker Sailplanes is certainly living up to its vision and that is to manufacture the most sought of sailplane in the world.



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**MANUFACTURERS AND EXPORTERS**