XAEROS
Hybrid Aircraft Engine

Significant increase in safety due to triple redunancy

Very silent due to pure electric take-off and landing

CO2 neutral cruising with e-fuels / SAF (sustainable aviation fuel)

Long range and high power 120 - 600 hp 90 - 440 kW

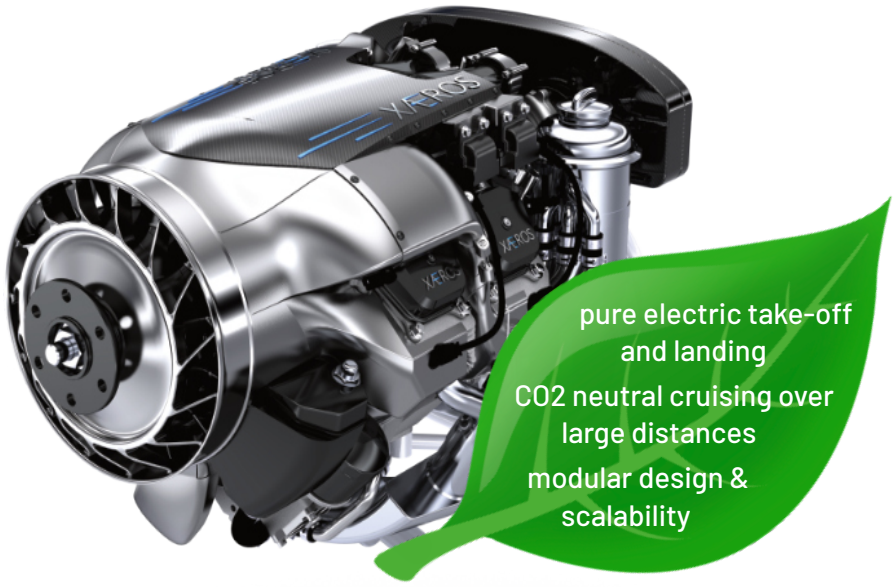
Realizable in just a few years

Very compact: fits in all new aircraft (single & twin engine)

Self-contained system for easy retrofitting of 200.000+ existing aircraft

For eVTOL aircraft (vertical take-off and landing, range 1000+ km)

For unmanned transport, rescue and reccon drones



The bridging technology for general aviation, eVTOL aircraft, drones and more. For today and for the next 30+ years!

We have to change the things now, not only in 25 years!

Batteries are still 20 times heavier than liquid fuels and the energy density is increasing only slowly. So, batteries are very heavy but in aviation every kilogram counts. We are also not able to produce green hydrogen in significant amounts, so it has to be transported over long distances by sea. This entails high energy losses and very high investments and costs in new aircraft and infrastructure. But we cannot wait and hope for the next 25 years or perhaps much longer.

The next step are synthetic fuels, so-called eFuels / SAF (Sustainable Aviation Fuel).

With e-fuels aircraft can be operated CO2-neutral and aircraft, transport and supply infrastructure are existing. So, this can be implemented in just a few years.

XAEROS develops a tailor-made hybrid drive for many aviation applications.

It combines the unique advantages of pure electric take- off and landing with large CO2-neutral range with e-fuels and high power with a safe, redundant piston engine. Patents are granted.

TAKE YOUR CHANCE and invest in the future-oriented XAEROS project!

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