Rotary Aircraft Engine Design
The rotary engine was an early type of internal combustion engine, usually designed with an odd number of cylinders per row in a radial configuration, in which the crankshaft remained stationary in operation, with the entire crankcase and its attached cylinders rotating around it as a unit.

Rotary engine - Wikipedia
DON'T CONFUSE THIS ENGINE WITH AUTOMOTIVE PISTON ENGINES CONVERTED TO AIRCRAFT USE or SO-CALLED ALTERNATIVE ENGINES. The Wankel rotary has a much better power to weight ratio and power to size ratio than any automotive piston engine.

Aircraft Rotary Engine News Letter
For more than a decade, Australian engineers working under the name Rotary Engine Development Agency have developed a new design of rotary engine that is based on a deforming rhombus rather than the conventional triangular rotors.

The Rhombus Rotary Engine: Can a Quirky New Design Top the ...
An aircraft engine is a component of the propulsion system for an aircraft that generates mechanical power. Aircraft engines are almost always either lightweight piston engines or gas turbines, except for small multicopter UAVs which are almost always electric aircraft.

Aircraft engine - Wikipedia
Rotary engine, internal-combustion engine in which the combustion chambers and cylinders rotate with the driven shaft around a fixed control shaft to which pistons are affixed; the gas pressures of combustion are used to rotate the shaft.

Rotary engine | Britannica.com
"Seeing the future by searching the past — Securing the future by saving the past" -- Alex Pong The Aircraft Engine Historical Society is a non-profit educational and historical society that fosters an appreciation of the people, art, and science associated with aircraft engine development, manufacture, and use.

AEHS Home - Balance Restored Corte Madera
aircraft engine history. a brief overview of aircraft engine development By Kimble D. McCutcheon. During the period between the World Wars, aircraft engines improved dramatically and made possible unprecedented progress in aircraft design.

aircraft engine development - Pilotfriend
The GBA is a laminated, rotary actuator for use on diesel, gasoline, propane, and natural gas engines. Sized at roughly the diameter of a golf ball, the GBA is suitable for power generation (stationary and mobile gensets) and industrial equipment applications.

Woodward | APECS DYNA Rotary Actuators
Over the last century only three combustion engines have been commercialized - the turbine, the reciprocating and the Wankel rotary. Making a ceramic engine will be a paradigm shift in IC engines technology, an innovation in marrying engine technology with state-of-the-art materials and design.

Why Ceramic Engines?
Based upon the ingenious design of German engineer Felix Wankel, Freedom Motors has the exclusive rights for manufacturing the Rotapower® engine.

Freedom Motors
The technical books below have proven useful during years of aircraft conceptual design experience in industry and during the writing of AIRCRAFT DESIGN: A Conceptual Approach, the RDS design software, and Dan Raymer's Simplified Aircraft Design for Homebuilders.
Dan Raymer's Aircraft Design Bookstore
It is an interesting question. I invested no less than ten years towards the conversion of Subaru engines for aircraft use and have followed the movement closely for about fifteen years.

What happened to the Subaru Aircraft Engine? - JdFinley.com
AE50R. The AE 50R is an AVGas single rotary engine with 40.4 kW. This engine is certified according to EASA Part 22 Subpart H. The enormous power-weight relation results in an unique position on the global market.

Products - Austro Engine
The paper discusses PHM as a principle that includes health assessment, prediction and management. • The research provides a comprehensive overview of PHM tools for critical machinery components.

Prognostics and health management design for rotary ...
If you could imagine. In the ideal world you would be able to run all analyses across all Flight Sciences from the conceptual design through to flight test without continually changing tools re-building test cases and re-writing scripts and code to try to integrate.

j2 Aircraft Dynamics - The completely integrated software ...
Effective January 1, 2013 Florida Sales Tax Exemption for replacement engines, parts, equipment, and labor used in or for the maintenance or repair for fixed/rotary wing aircraft that exceed 2,000 lbs in maximum certified takeoff weight.

Aircraft Product - Chief Aircraft Inc.
This page lists the major suppliers to the Airbus A400M aircraft program.

Airbus A400M - program supplier guide - Airframer
The name says it all, post your jokes, comments, complaints or just rant and rave.

Rotary Wing Forum - Rotary Wing Forum
Fieseler Fi 156 Storch G-BPHZ Under restoration at Retrotec with an original Argus engine. Post-war use with French (as F-BJOC) as an Argus engined MS 500 with all the evidence of German manufacturer's specification, including side opening doors, and many other brackets and parts not always seen on MS 502 and 505.

Aircraft For sale - Aircraft and Ex MOD Spare Parts
This page lists the major suppliers to the Boeing 737 aircraft program.