

ENGINE SYSTEMS

**DR990 ENGINE
SERVICES THAT
KEEP THE FLOW**



GKN Aerospace

- GKN Aerospace is one of the world's largest independent aerospace companies.
- GKN Aerospace has a manufacturing presence on every major aerospace platform.
- GKN Aerospace's technology led products are manufactured using the latest developments in materials processing and advanced composite and metallic manufacturing technologies.
- GKN Aerospace's experience, knowledge and capability in integrated aerostructures, engine products, integrated propulsion systems and special products is supported by a strong aftermarket operation.
- GKN Aerospace is recognised as one of the world's leading suppliers of primary composite structures. It was the first company to manufacture composite main wing spars for large aircraft.
- GKN Aerospace was the first company to apply resin film infusion technology and take it to full production.
- GKN Aerospace has delivered the first large engine composite fan containment case.
- GKN Aerospace has world leading proprietary technologies for transparencies and special products.
- GKN Aerospace has developed and delivered the first all electric de-icing system for a large commercial transport aircraft.
- GKN Aerospace researches and uses its own specialist materials in the manufacture of emergency flotation systems and fuel cells.
- GKN Aerospace has over 1000 skilled engineers available 24 hours a day across three continents.
- The combined manufacturing facilities of GKN Aerospace cover an area of over 1 million sq m.



GKN Aerospace Sweden

- We were founded in 1930 to provide the Swedish Air Force with engines.
- The first commercial aircraft engine was overhauled in Trollhättan back in 1966.
- The first order for space components was received in 1974 and in 1979 for commercial engine components.
- In the 1990's we specialised in large engine structures and rotors for commercial engines. Today we are market leader in the development of engine structures, with presence in more than 90 % of all new aircraft.
- During the last decade we have strengthened our position. Our lightweight technology has been implemented in cutting-edge projects. In 2008 we became partners in three major engine programs: XWB, GP7000 and PW1000G. And in 2010 the ramp up of the GENx program started.
- 2012 will be remembered as another milestone in our history, when we became a proud member of the highly respected GKN Group.
- Today GKN Aerospace Engine Systems provides products and services in four areas:
 - Components for commercial aircraft engines and gas turbines.
 - Military aircraft engines.
 - Sub systems for rocket engines.
 - Engine MRO (maintenance, repair and overhaul) for aircraft and industrial gas turbine engines.

leading aerospace technology...

Keep your DR990 in service

We have more than 40 years' experience of gas turbine maintenance. Since becoming the DR990 OEM in 1997, we use this experience in our continuous improvement of the engine maintenance and repair process. A further example is the new DR990 control system developed by our skilled engineers.

Capabilities and services

As well as being the OEM for the DR990, we provide full aftermarket support up to and including overhaul and test. This support extends to package and control system

You find our facility in Trollhättan, Sweden, close to Landvetter International Airport in Gothenburg.

Lease/exchange engines

While your own engine has to visit the workshop, use of an engine leased from GKN allows your operation to continue. You can also exchange your expired engine with a newly overhauled one from our pool to save on down time.

Control system upgrade

We can replace the existing DR990 control system with a new GKN control system utilising the very latest technology and components.

Repairs and modifications

All repairs and modifications of parts can be taken care of by GKN. We continuously develop our repair processes in order to drive down your cost of operation.

Spare parts and modules

Our extensive rework resources give you access to a large stock of spare parts.

Technical support round-the-clock

We have full capability to assist you with technical support, troubleshooting and maintenance program optimisation and we are ready when you really need quick service – whether it involves the fastest possible delivery of spare parts, on-site repairs or phone support.

Our comprehensive service offer is designed to support your demands for high availability with constant power output from the DR990 gas turbine. When support is needed on-site, you can count on us.

Field service

Our field service engineers are available for planned on-site inspection, borescoping, maintenance, package and control system support, engine removal and installation, as well as unscheduled work at short notice at any time of the day.

Technical reports

All in-shop engine service is carefully documented and available in the form of technical reports.

Approvals

We are certified in compliance with International Standards EN ISO 9001:2008, AS/EN 9100C and ISO 14001:2004.

Our field technicians are cleared for working offshore by several countries.



*When I call upon GKN,
I consider the problem as
already fixed.”*



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