

ENGINE SYSTEMS

**LM1600™ ENGINE  
SERVICES THAT  
YOU CAN TRUST**



# 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...**

# Round-the-clock for LM1600™

**We have held the status of Authorized LM1600™ Service Provider since 1992, adding the ELM 116/2 power turbine in 2009. Based on more than 40 years' maintenance experience, we are focused on maximising availability while minimising life cycle costs for users. Field service is a significant part of our**

## Capabilities and services

We are a fully authorised service provider for the General Electric LM1600™ gas generator and its ELM 116/2 power turbine. We perform maintenance up to and including full overhaul and test of both SAC and DLE engine versions. Support for package and control systems can also be provided.

Our heavy maintenance facility is located in Trollhättan, Sweden and we have a service centre in Zaragoza, Spain.

## Lease/exchange engines

While your own engine has to visit the workshop, use of an engine leased from GKN allows your operation to continue. Membership in our "Lease Club" guarantees availability of a lease engine at short notice. You can also exchange your expired engine with a newly overhauled one from our pool to save on down time.

## Repairs and modifications

All repairs and modifications of parts can be taken care of by GKN.

## Spare parts and rotables

Our extensive rework resources give you access to a large stock of spare parts. And, in order to minimise down time, we offer serviceable components and modules in exchange for unserviceable ones.

## 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.

**LM1600™ service offer. Our knowledgeable service engineers can perform everything from borescope inspections to Hot Section Exchanges on site. As our customer, you can rely on our ability to take extraordinary measures. Our round-the-clock service means that you can reach us at any time.**

## Contractual solutions

In addition to traditional Time & Material based service, we also offer Long Term Service Agreements (LTSA's) in three adaptable levels from planned maintenance only to fully comprehensive contracts with availability guarantees.

## 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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