



News Information

For Immediate Release

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GKN Aerospace signs GBP multi-million agreement with Kawasaki Heavy Industries to supply GTF Compressor engine components

- **Increased business in Asia and expanding the relations with KHI Gas Turbine Division**

GKN Aerospace has signed a multi-million pound, long term agreement (LTA) with Kawasaki Heavy Industries (KHI) to supply Low Pressure Compressor (LPC) Vanes for the PW1100G-JM and PW1400G-JM PurePower® Geared Turbofan™ (GTF) engines. This contract covers the planned production period for this programme to 2027.

Manufacture of these compressor parts takes place at the company's Aerospace Engine Systems (AES) facilities in Connecticut, USA which is equipped to manufacture these aluminum and titanium parts using unique, innovative manufacturing techniques to the rigorous standards and tight tolerances required - and to meet the challenging programme ramp-up schedule to full production.

Hidenori Imaoka, Senior Manager Procurement Department of Gas Turbine Division KHI comments: *"We are pleased to complete yet another long term*

agreement with GKN Aerospace covering these key low pressure compressor components for the PW1100G-JM and PW1400G engine programs. This agreement allows the companies to continue to work closely together over the long term to extend the support we offer our customers. The agreement also allows KHI to draw on GKN Aerospace's technological expertise and track record in this area to minimize both risk and cost on these key programs."

Michael Dill, VP & GM for GKN Aerospace Engine Systems North America, said: *"This agreement builds our current strong relationship with KHI even stronger and establish GKN Aerospace capabilities in the Japanese market which is an important and growing market for us. For this important agreement we have the full material and machining responsibility for a certain share of the engine program volumes and we have made investments in state of the art, highly automated equipment to supply these high volume parts. For each GTF engine it's over 300 LPC Vanes to be delivered from GKN Aerospace. We are already closely involved with Pratt & Whitney's GTF engine programmes and are a Risk and Revenue Sharing Partner (RRSP) on both these engines. As a result we are able to supply KHI from a sound base of proven technology and certified parts which lowers any risk, streamlines development and contains costs - and with all our processes, technologies and manufacturing skills based in-house, we can also meet demanding OEM (Original Equipment Manufacturer) production schedules."*

GKN Aerospace is a risk and revenue sharing collaborator (RRSP) directly with Pratt & Whitney. GKN has design and production responsibility for the intermediate compressor cases and the turbine exhaust cases for the entire Geared Turbofan family: PW1100G-JM, PW1400G-JM, PW1200G, PW1500G, PW1700G and PW1900G. In addition, GKN produces a number of other metallic and composite parts which are included in individual RRSP agreements.

Image:- <http://www.gkn.com/globalassets/global-images/aerospace->

[news/2017/GKN-Aerospace-signs-agreement-with-Kawasaki-Heavy-Industries-to-supply-GTF-Compressor-engine-components.jpg](https://www.gkn.com/news/2017/GKN-Aerospace-signs-agreement-with-Kawasaki-Heavy-Industries-to-supply-GTF-Compressor-engine-components.jpg)

Caption: PW1100G-JM LPC Vane

Editor's notes:

Together with about 100 group companies in Japan and overseas, **Kawasaki Heavy Industries** oversees the formation of a "technology corporate group." Its technological capabilities, polished over a history that exceeds a century, send diverse products forth into wide-ranging fields that go beyond land, sea, and air, extending from the ocean depths to space. Through the development of unique and broad businesses unmatched elsewhere, KHI will continue to create new values that solve the issues facing our customers and society. Kawasaki's Gas Turbine Division manufactures jet engines and gas turbine generation systems using proprietary technologies developed by Kawasaki in its jet engine business.

GKN plc is a global engineering group. It has three divisions; GKN Aerospace, GKN Driveline and GKN Powder Metallurgy, which operate in the aerospace and automotive markets. Over 58,000 people work in GKN companies and joint ventures in more than 30 countries. GKN is listed on the London Stock Exchange (LSE: GKN) and recorded sales of £9.4 billion in the year to 31 December 2016.

GKN Aerospace is the world's leading multi-technology tier 1 aerospace supplier. As a global company serving the world's leading aircraft manufacturers, GKN Aerospace develops, builds and supplies an extensive range of advanced aerospace systems, components and technologies— for use in aircraft ranging from helicopters and business jets to the most used single aisle aircraft and the largest passenger planes in the world. Lightweight composites, additive manufacturing, innovative engine systems and smart transparencies help to reduce emissions and weight on the aircraft and enhance passenger comfort. GKN Aerospace is market leading in

aerostructures, engine systems, transparencies and wiring systems and operates in 14 countries at 55 manufacturing locations employing approximately 18,000 people.

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