

# GET MORE POWER

RETROFIT YOUR GAS TURBINE AIR INLET SYSTEM  
FOR INCREASED PERFORMANCE



Donaldson.  
FILTRATION SOLUTIONS





# GIVING TODAY'S TURBINES A POWERFUL TOMORROW

Gas turbine systems typically operate in some of the most challenging environments, climates, and geographies. Over time — and continued exposure to the elements — the performance of your gas turbines can degrade, sacrificing efficiency and productivity, and causing more and more unplanned downtime.

All of this impacts your equipment's availability and your total cost of ownership.

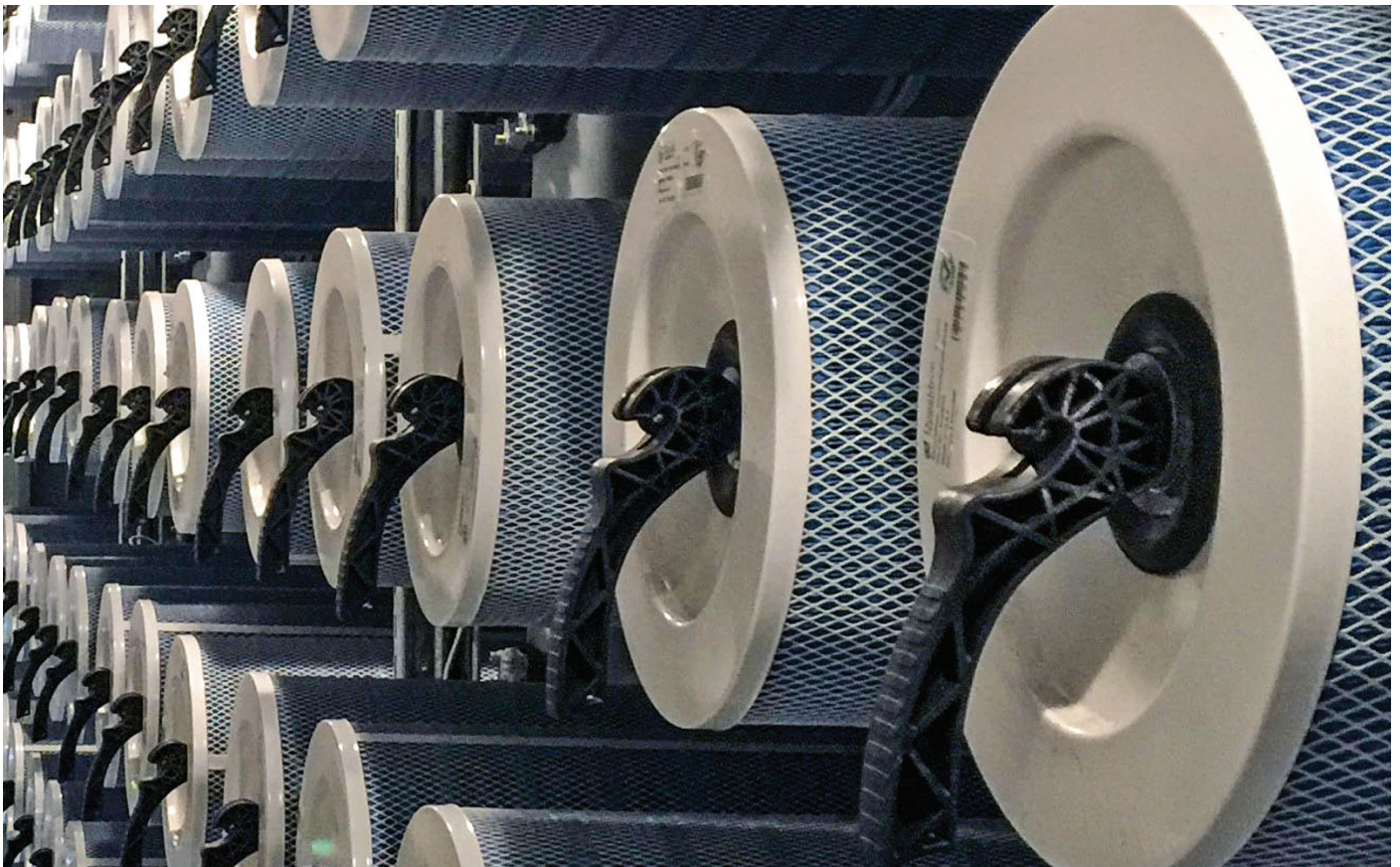
Gas turbine systems are built to last, but eventually, regular care and maintenance isn't enough to meet today's increased production demands.

Donaldson works with turbine operators around the world to help restore the performance of aging gas turbine systems, extending equipment life and increasing power output with even more uptime.

## **UNRIVALED CUSTOMER & APPLICATION SUPPORT**

As one of the pioneers of air inlet filtration system technology, Donaldson works closely with gas turbine professionals throughout the industry to develop advanced filtration solutions for gas turbines and industrial compressors.





# CUSTOM-ENGINEERED SOLUTIONS






Donaldson retrofits go beyond routine maintenance inspections and component upgrades to full air intake replacements and pulse cleaning systems. They are custom-engineered solutions developed through a thorough analysis of the performance of your turbines, an assessment of your overall operating environment, and a review your short- and long-term power output requirements. The process is designed to help ensure:

- + Higher filtration efficiency
- + Increased moisture control
- + Enhanced noise attenuation
- + Added turbine protection
- + Lower operating intake pressure drop

Our high-efficiency filters and pre-filters, cooling augmentation components and custom air intake housing systems include innovative features such as:

- + **Turbo-Tek™ HEPA filters:** Designed with premium composite filter media for HEPA filtration efficiency, pulsability and moisture resistance.
- + **Quick Lock Yoke:** Eliminates the guesswork from installing and inspecting new filter elements and helps ensure secure installation while reducing changeout times by up to 50%.

You can rely on our certified service technicians and engineers to help ensure your turbines are operating at peak efficiency through comprehensive field services, including:

-  **Inlet system performance evaluation**
-  **Filter analysis and upgrades**
-  **Remote system monitoring**
-  **Data-driven maintenance planning**
-  **Employee training and support**



# IS A RETROFIT RIGHT FOR YOU?

A Donaldson gas turbine retrofit is a good choice if you are looking for:

## + INCREASED TURBINE PERFORMANCE

Industry-leading filters, leak-free parts, and pulse system enhancements can have an immediate impact on your system and reduce unplanned downtime.

## + EXTENDED EQUIPMENT LIFE

Custom-engineered solutions can help protect static and pulse system components and reduce fouling and corrosion from seasonal and environmental contaminants.

## + OPERATOR SUPPORT

On-site engineering and project management throughout the retrofit/upgrade process along with responsive service and insights for timely maintenance, repairs and replacement filters and parts.

## + REDUCED OVERALL COSTS

The combination of increased performance, extended equipment life and operator support can help reduce overall maintenance costs. Cost of ownership is also reduced through tailored innovation, industry-leading products and operator field support.

No matter how long your gas turbine systems have been in operation, who manufactured them or the environmental challenges you face, Donaldson can work with you to design a retrofit solution that puts more power back in your hands.



**Scheduling a retrofit review and analysis with Donaldson puts you on a path to take back the power your aging turbines have lost through the years.**

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