



## **WOODS SERVICE**

Expertise straight  
from the source





# Expertise straight from the source

– we will guide you to the best solutions

When it comes to air movement applications you couldn't be in safer hands. With over 100 years of product and application experience we have some of the worlds most experienced and knowledgeable experts on hand to help you.

**BY WORKING CLOSELY TOGETHER WE CAN:**

- Fully understand your needs and priorities
- Accelerate the time it takes to devise and implement the best possible solutions



## WOODS CARES

### Peace of mind for your safety critical assets

Woods Air Movement takes great pride in how we support users of our fans. Our Service experts continuously aim to ensure optimal performance and reduced life cycle costs through world-class maintenance and specialist services. The Service leadership we offer is built on responsiveness, knowledge and trustworthiness.



**WE ACHIEVE THIS THROUGH:**

- Being there when you need us
- Applying unparalleled reliability expertise giving the most cost-effective services
- Working in partnership with clients to maximise ventilation asset availability
- Helping you to ensure that operational expenditure remains predictable and fixed
- Striving to extend the life of your ventilation assets
- Engaging the industries best engineering team for optimal retrofits performance and ROI

**Because we hear you and want to partner with you.**

Woods will tailor service agreements that bring together all our technical expertise and aftermarket services to give you exactly what you need.





# Performance improvement and upgrade

Woods are hugely experienced in providing upgrade and retrofit solutions that increase performance, reduce running cost, prolong the installation lifespan and generally improve energy efficiency. Impressive ROI may be achieved through technology improvements executed on site - these could include new impeller designs and motor and control system renewal to significantly improve reliability and system efficiency, thereby reducing your energy bill.



## EXAMPLE CASE STUDY European Metro retrofit

A total of 55 large axial ventilation fans, ranging from 16 to 50 kW, had accumulated 40 years of service in a Metro Ventilation system.

**PROBLEM DEFINITION**  
Originally installed fans were operating needlessly at full speed for long periods of time, resulting in high power demand and noise levels during off peak hours.

**WOODS SOLUTION**  
After defining the problem with the customer, we engaged inhouse system experts to optimise a solution for maximum benefit. Woods proposed new motors with VFD control system enabling fan speed to be controlled, significantly reducing power consumption and noise. Retrofittable motor mounting kits were provided so that original casings and ductwork remained undisturbed. This resulted in the most cost-effective solution with minimal downtime.

**FACTS**  
Tunnel length: 17 km  
Lanes: 2  
Number of fans installed: 55  
Power rating: 16 to 50 kW



Average power without inverter: <b>329.83 kWh</b>	Average power with inverter: <b>162.05 kWh</b>
--	---

Power reduction/year:  
**1,954,000 kWh**

Energy cost saving/year (@0,5 €/kWh):  
**€ 976,000/year**

Energy saving:  
**49.27%**



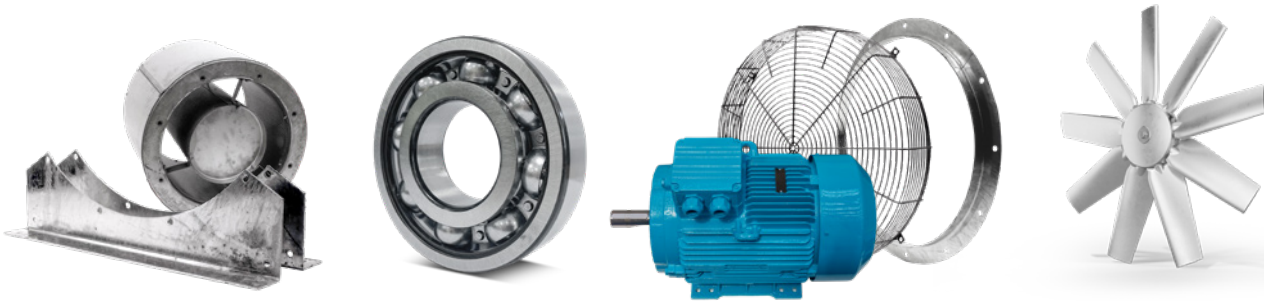
Investment cost: <b>2.55 M€</b>	Annual saving: <b>€ 977k</b>
------------------------------------	---------------------------------

**ROI = 2.58 years**

# Replacement and spare parts

Woods Air Movement has an installed base exceeding 2 million fans and produces 80,000 new fan assemblies a year covering all applications. Thanks to our extensive production operations, we have a huge active supply chain or stock for all components in your fan assembly. If age presents an obsolescence risk, we can provide modern interchangeable retrofits to extend serviceable life.

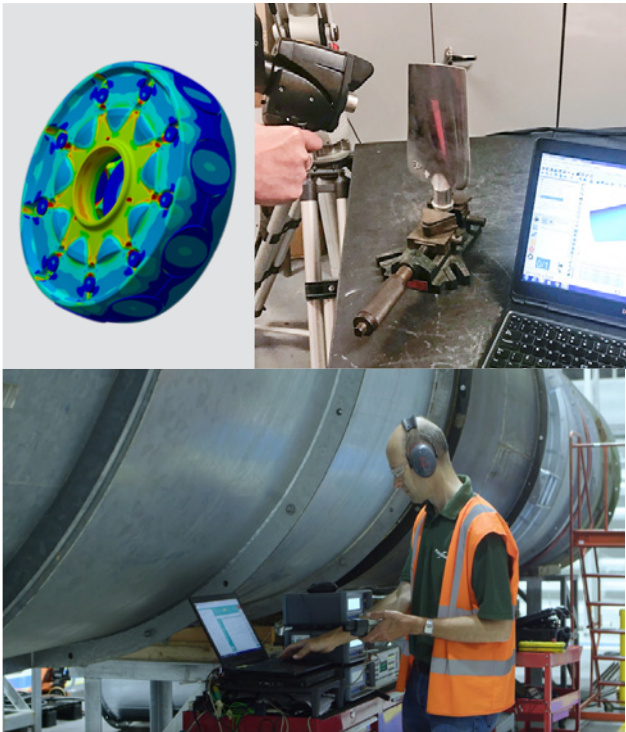
**CONTACT OUR SPARE PARTS SALES TEAM:**  
Call: +44 (0) 1206 222 660 or send a Spares Enquiry via our website:



# Capabilities for bespoke needs

**SERVICE ON SITE OR BACK AT BASE**  
We can provide on-site services anywhere and frequently perform repairs, refurbishment and overhauls in situ, to reduce down-time and save you money. We also have a dedicated Service Workshop within our 16,700 Sq M factory, where we can execute factory based overhauls and performance tests.

**REVERSE ENGINEERING AND RETROFITS**  
We can reverse engineer or design new interchangeable components, then manufacture and test retrofits in-house or through our specialist supplier network.





Woods Air Movement delivers smart and energy efficient Air Movement and Fire Safety solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance. The widest range of Air Movement and Ventilation products in the market, and strong market presence with over 100 years of experience and manufacturing of products, guarantees that we are always by your side, ready to deliver Excellence in Solutions.

**Contact our friendly sales team today  
for more information**

Call: +44 (0) 1206 222 499

Email: [service.ukwoods@flaktgroup.com](mailto:service.ukwoods@flaktgroup.com)  
[spares.woods@flaktgroup.com](mailto:spares.woods@flaktgroup.com)

[www.woodsairmovement.com](http://www.woodsairmovement.com)

