



Planet and Processes

Daikin Group Environmental Vision 2050

Toward Net-Zero Greenhouse Gas Emissions

Guided by the "Daikin Environmental Vision 2050", established in 2018, the Daikin Group, including AAF, is committed to reaching net-zero greenhouse gas emissions across our entire value chain by 2050.

Daikin Environmental Vision 2050

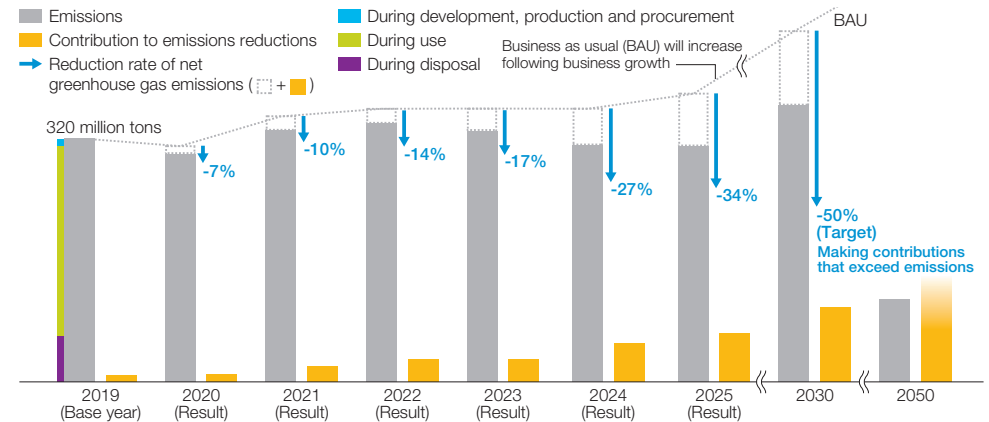


We will reduce the greenhouse gas emissions generated throughout the entire lifecycle of our products. Furthermore, we are committed to creating solutions that link society and customers as we work with stakeholders to reduce greenhouse gas emissions to net zero. Using IoT, AI, and open innovation attempts, we will meet the world's needs for air solutions by providing safe and healthy air environments whilst at the same time contributing to solving global environmental problems.

Medium-Term Targets for Carbon Neutrality

The Daikin Group, including AAF, has set medium-term goals to reduce net greenhouse gas emissions across the value chain by 30% by 2025 and 50% by 2030, compared to the 2019 baseline. We are accelerating our efforts to achieve net-zero emissions in all factories by 2030, advancing our original target of 2050, and also plan to achieve net-zero emissions at our offices. In addition, the Group's fiscal year 2030 targets also include reducing emissions intensity per unit of sales revenue by 40% from 2022 levels and increasing its greenhouse gas emissions reduction contribution to 60 million t-CO₂. During fiscal year 2025, the Daikin Group achieved a 34% reduction in net greenhouse gas emissions, exceeding its reduction target of 30%.

Reduction Targets and Results for Net Greenhouse Gas Emissions throughout the Lifecycle



Science Based Target

The Science Based Targets initiative certifies carbon emissions reduction targets based on scientific data. The Daikin Group, including AAF, received certification in February 2024 for its 2030 goal to reduce greenhouse gas emissions. This goal aims to limit global warming to below 1.5°C compared to pre-industrial levels. Furthermore, we obtained certification for our net zero target in July 2025.



Environmental Management Structure

Basic Principles and Environmental Management Structure

Global Environmental Management

At AAF, we promote environmental management across the organization in line with the Daikin Group's Environmental Policy. We actively participate in the Daikin Group's Environmental Conference and address environmental issues such as climate change, water conservation, and waste management in every region. Annual regional environmental conferences are held, gathering environmental managers from AAF sites worldwide to work on reducing environmental impact and conserving biodiversity at production sites. The biennial Global Environmental Conference brings together presidents, environmental managers, and environmental department heads from all AAF sites to foster cooperation and strengthen initiatives across the Daikin Group. Key themes are presented to Daikin's CEO through Daikin's Corporate Social Responsibility Committee and are reported to the Board of Directors.

In addition, we have established the Joint Environmental Committee, focusing on the filter business. This committee works on identifying issues and formulating strategies at each AAF site, contributing to AAF's overall environmental management efforts.

Environmental Management System

At AAF, we ensure the safety and quality of our products and services from the customer's perspective. Additionally, AAF has obtained ISO 14001 certification at 76% of its sites, establishing a foundation for implementing environmental management at other locations and expanding certification. Furthermore, AAF discloses any significant legal violations in its operations and reported no major violations of environmental laws in fiscal year 2025.



The Daikin Group Global Environmental Conference in China



AAF at the Daikin Global Environmental Meeting 2025

Working Toward Carbon Neutrality in Manufacturing



Daikin Global Environment Meeting 2025

Based on the Fusion 25 strategic management plan, Daikin has set a target for manufacturing (development and production) of achieving net-zero greenhouse gas emissions by 2030 at all production bases excluding chemical plants. In line with this plan, AAF aims to reduce emissions as much as possible and to utilize carbon credits for the remaining emissions, thereby striving for a higher level of carbon neutrality. With this approach, we are fully committed to leveraging our energy-saving technologies to reduce electricity usage, expand renewable energy generation, reduce the use of LNG and LPG through the development of new methods and technologies, and introduce green power.

As a member of the Daikin Group, AAF participates in Daikin's globally unified environmental management system, which covers more than 130 bases worldwide with diverse business formats and scales. This system is utilized to share policies from the top down while frontline problem-solving is discussed face-to-face, allowing

effective measures to be implemented throughout the Group. Under this system, Daikin regularly convenes global and regional meetings to drive environmental initiatives.

In May 2025, Daikin held a Global Environmental Meeting, bringing together 123 people from 46 Group companies, including AAF. Presidents, environmental officers, and environmental department heads from around the world were in attendance. In addition to sharing key energy-saving measures, in-depth discussions were held on solutions to technical issues. At regional environmental meetings held every year, we also exchange information and share technical consultations within the region. Relevant departments are working to develop new technologies and methods to address common global issues, while secretariats in each region spearhead measures to address regional issues by implementing tailored measures. In this manner, the entire Daikin Group, including AAF, is accelerating these actions together.

Furthermore, Daikin operates its own certification system that recognizes and awards carbon neutrality achievement levels. This puts into place an environment where each base is highly motivated to work toward improvements in energy conservation rates and the introduction rates of energy creation solutions. Within AAF, our factory in Malaysia received Platinum-level recognition under Daikin's Green Heart Factory (GHF) program in fiscal year 2025. GHF is Daikin's internal certification program that evaluates and recognizes business sites for environmental and sustainability performance.



AAF Malaysia Factory Receiving GHF Platinum Recognition

Sustainability and Innovation

Basic Principle

Innovation in environmental technology and energy-saving solutions is essential for a sustainable future. AAF, founded as Reed Air Filters in 1921 by Bill Reed, carries forward his vision through the development of sustainable technologies and products that balance environmental protection with economic growth.

Collaborative Market Response within the Daikin Group

As part of the Daikin Group, AAF addresses market needs with six global development sites. For example, in Indiana, USA, we established the 3,065m² Clean Air Innovation and Research (Clean AIR) Center. AAF's commitment to innovation extends internationally through close collaboration with Nippon Muki, which manages the air filter business primarily for the Japanese market within the Daikin Group, and the Daikin Technology and Innovation Center (TIC) in Japan, where around 900 engineers drive pioneering research. This collaborative effort spans the fundamental development of filter media, structures, and sensors, significantly advancing our filter technology capabilities.

Introducing Clean AIR Center

Mission of the Clean AIR Center

The Clean Air Innovation and Research (Clean AIR) Center advances filter technology through detailed analysis and modeling of filter media performance. The engineers at the Clean AIR Center continuously innovate new filter media and enhance air quality through cutting-edge research. Additionally, Clean AIR Center's state-of-the-art biosafety lab conducts biological testing and assessments, ensuring filter efficiency for agricultural applications.

Dedicated Labs and Testing Standards

The Clean AIR Center features specialized laboratories as follows:

Filter Testing Laboratory:

- Examine new and existing AAF filter performance.
- Testing standards: ASHRAE 52.2, ISO 16890, UL 900, etc.
- Equipped with a dedicated UL filter test room.

Media and Materials Laboratory:

- Analyze filter media performance.
- Develop and prototype new media rapidly, followed by evaluations in the ASHRAE test duct.

Biosafety Laboratory:

- Conduct biological testing (PRRS, PED, Influenza A, etc.) for agricultural clients.



Biosafety Laboratory



Clean AIR Center

Roles and Functions of TIC

Established in November 2015, TIC serves as a core hub for technological development, consistently generating unique technologies and products that contribute to the Daikin Group's business while addressing social challenges. With around 900 engineers, it creates new value by integrating diverse expertise. In collaboration with companies and academic institutions from various industries and fields, TIC drives innovative technological advancements. The center also features facilities like Future Labs and Open Labs, designed to promote active discussions among engineers.

For the filtration business, TIC's dedicated teams focus on developing filter media and core technologies, which are essential for sustainable products. AAF's unique strength lies in its ability to develop everything from filter media to air filters.



Daikin Technology and Innovation Center (TIC)



Daikin Technology and Innovation Center (TIC) Work Area

Advancing Filtration through Group Collaboration

As a member of the Daikin Group, AAF leverages not only the research and development capabilities of Daikin's TIC but also its extensive experience in air conditioning. Being part of the world's largest air conditioning group, AAF strives to further improve efficiency and reduce environmental impact through the development of technologies that integrate air filters with air conditioning systems, rather than focusing solely on standalone air filters.

Sustainable Filter Design

Introduction

In recent times, the push for sustainable business practices has gathered momentum. Within this effort, the filter industry is embracing innovative designs and manufacturing techniques to lessen environmental impacts. This article delves into various aspects of how filters—from material selection to system efficiency—impact the environment.

System Integrity

The effectiveness of a filter depends not only on the performance of the media itself but also on how well the media is sealed to the frame and how the filter is installed. Bypass, leaks, and poor installation affect the efficiency of the system and increase the risk of system failure. Ensuring that filters are properly mounted with high-quality frames is critical to maintaining system integrity and efficiency.

System Economics

The initial pressure drop and lifespan of a filter significantly influence energy consumption. This impact extends beyond the filter media itself to the overall design of the filter. The AAF Europe DriPak® pocket filter range demonstrates how design optimization—through pocket shape (tapered or straight stitch), frame construction, and carefully selected media grades—can significantly improve energy efficiency throughout the filter's lifecycle.

AAF's A+ energy-rated DriPak® filters, certified under the Eurovent Certified Performance Programme, represent the highest energy efficiency classification, indicating minimal energy consumption over the product's operational lifetime while maintaining consistent filtration performance.

Similarly, advanced media technologies further enhance system efficiency. The MEGAcel® HEPA and ULPA filters feature a high-efficiency, ultra-low-pressure drop membrane developed by Daikin. Compared to conventional glass fiber filters, it

delivers more than 50% lower pressure drop, resulting in substantial energy savings. By carefully selecting these design elements, improvements in long-term energy efficiency and cost reduction are achievable. This reduction in environmental impact also brings economic benefits to our customers.

Material Selection

In the design of filter products, a wide range of materials—including steel, aluminum, plastic, glass, membrane, polyurethane, and adhesives—are utilized, with a strong focus on optimizing material selection from both performance and Life Cycle Assessment (LCA) perspectives. At AAF, we offer environmentally responsible options by integrating sustainable design principles, including recycling, and we are striving towards carbon neutrality.

For instance, AAF/Dinair Sweden has introduced an option for pocket filter frames made from carbon-compensated steel. This steel significantly reduces environmental impact by offsetting the carbon emissions generated during production through activities such as reforestation. The product contains at least 78% recycled steel, and by selecting this option, customers can reduce carbon emissions by 85% compared to plastic alternatives. This results in a reduction of 7.19 kg-CO₂ in greenhouse gas emissions per filter. AAF remains committed to advancing the development of environmentally sustainable products and services in the future.



DriPak®



MEGAcel®

MEGAcel® HEPA and ULPA Filters

Bringing Sustainability to Clean Air Performance

Achieving reliable clean air performance while minimizing energy consumption has become a key priority across critical manufacturing and healthcare environments. The MEGAcel® HEPA and ULPA filters from AAF are engineered to deliver uncompromising filtration performance alongside sustainability-driven design, enabling customers to reduce energy use, extend service life, and minimize waste through longer filter lifespans—while meeting the most stringent air quality standards.

At the core of MEGAcel® is an ultra-fine fiber membrane media. It delivers high filtration efficiency with significantly lower pressure drop than conventional solutions. This reduced pressure drop is maintained consistently throughout the filter's service life until replacement, lowering energy demand and, in comparable applications, delivering energy savings of up to 56%.

MEGAcel II ME Vs Fiberglass

Media	Differential Pressure (Pa, at 0.45 m/s)			
	H13	H14	U15	U16
MEGAcel® II ME	50	60	80	85
Fiberglass	105	135	150	195
Difference (%)	52%	56%	47%	56%

Energy Savings of up to 56%

In addition, the membrane's robust structure is designed to withstand high particulate loading, chemicals, oil aerosols, and high-humidity conditions, helping maintain stable performance and extend operational life in demanding environments.

These advantages make MEGAcel® well suited for a wide range of critical applications, including semiconductor and microelectronics manufacturing, pharmaceutical and biotechnology cleanrooms, research laboratories, hospitals, and other environments where consistent, energy-efficient air filtration is essential.

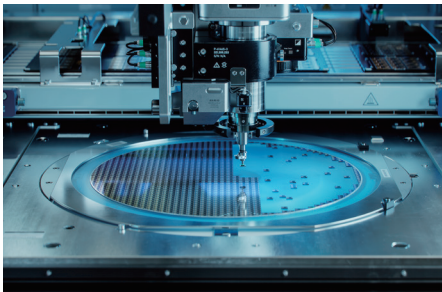
Microelectronics Cleanroom – Denmark

In a major cleanroom upgrade project, MEGAcel® II ME filters were selected to replace legacy HEPA solutions with a focus on reducing energy consumption and sound levels. Integrated with modern fan filter units, the solution supports long-term operation of ISO Class 4 cleanroom environments.

The installation achieved approximately 236,000 kWh of annual energy savings.

Microelectronics Cleanroom – United States

In a large-scale semiconductor facility expansion, MEGAcel® II ME filters were installed in a new cleanroom to meet the customer's objective of lowering energy expenses while ensuring long service life and high-performance filtration. Designed for demanding production environments, the product enables reliable operation with optimized energy use.



Semiconductor Manufacturing Cleanroom

The upgrade reduced airflow resistance by approximately 50% compared to conventional glass media filters, resulting in annual energy cost savings of around \$294,000.

Healthcare Facility – Sweden

In a major hospital project, MEGAcel® II filters were introduced in operating rooms to replace previous HEPA solutions, driven by a need for improved reliability and efficiency. Integrated into existing ventilation systems, the solution ensured consistent high performance, low defect rates, and dependable delivery.

An average pressure drop reduction of approximately 40% was achieved, saving around 217,000 kWh in annual energy consumption.



Operating Room with Ceiling-Integrated Filters

Environmentally Friendly Manufacturing

Basic Principle

At AAF, we are committed to achieving net-zero greenhouse gas emissions at all our factories by 2030, advancing our original target of 2050. This will be accomplished by optimizing energy usage through equipment upgrades and productivity improvements, increasing energy generation through solar and wind, and introducing green electricity.



Greenhouse Gas Emissions

A significant portion of our greenhouse gas emissions comes from energy use in daily operations. We collect energy consumption across multiple sources, such as electricity, natural gas, and other fuels, across all our factories worldwide. This data is converted into CO₂ emissions, providing a clear basis for understanding our environmental footprint. Based on these insights, we define and monitor annual reduction targets across all operations.

In fiscal year 2025, AAF's global CO₂ emissions totaled 18,609 t-CO₂, achieving a 2% reduction compared with fiscal year 2024 (19,010 t-CO₂).

This progress reflects the effectiveness of our structured approach. Through continuous monitoring, we strengthen accountability and support data-driven decision-making, reinforcing our commitment to reducing emissions and advancing toward net zero.

Introduction of Renewable Energy

The expansion of renewable energy plays a central role in our transition to carbon neutrality. Several of our manufacturing facilities—including those in Finland, the United Kingdom, and two sites in Sweden—already operate on 100% renewable energy.

Building on this strong foundation, we are further increasing our use of clean energy through a solar installation in China, with additional projects planned in Spain, Malaysia, and India.

We remain committed to advancing our use of renewable energy by identifying and implementing new opportunities across our global operations.



Solar Panels at AAF Suzhou Factory

Energy Efficiency and CO₂ Reduction in Operations

AAF continuously implements initiatives to improve energy efficiency and reduce CO₂ emissions across its operations.

LED Installation in Factories

AAF’s global factories are progressively implementing LED lighting to reduce electricity consumption from lighting systems. Full conversion to LED lighting has been achieved in Finland, the United Kingdom, Sweden, Malaysia, Brazil, and two factories in the United States. In the United States, the transition to LED lighting at our Smithfield and Louisville factories resulted in a reduction of approximately 19 t-CO₂ emissions compared to the previous year.

Energy Usage Optimization Examples

Energy-Efficient Equipment Upgrade at the Fayetteville Plant, USA

We expanded fiberglass media production at our Fayetteville plant and, as part of this expansion, implemented measures to reduce energy consumption.

An investment was made in two high-efficiency production machines, replacing older, more energy-intensive equipment.

These machines deliver a 93% reduction in electricity use per machine and generate approximately 346,000 kWh of annual electricity savings, significantly lowering overall energy demand. They also improve operational efficiency by requiring fewer labor hours while maintaining production output.

We plan to expand this technology to additional facilities over the next two years to further reduce energy consumption and support more sustainable manufacturing practices.



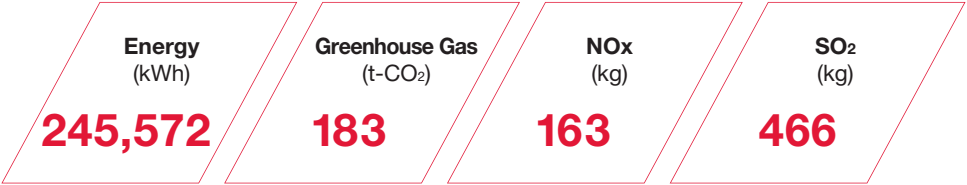
19-t CO₂ Reduction

Year-over-Year CO₂ Reduction at Smithfield and Louisville Plants

Reducing Compressor Air Leakage at the Columbia Plant, USA

At the Columbia Plant in the USA, air compressors, accounting for 20-25% of the plant’s electricity consumption, were inspected for leaks. Typically, 20% of compressed air is lost to leaks, with an additional 10-30% wasted through unnecessary release. The detailed inspection identified 49 leak points, wasting 241 m³/h of air—equivalent to 245,572 kWh per year. Prompt corrective actions significantly reduced energy consumption and environmental impact, cutting greenhouse gas emissions by 183,155 kg.

Energy and Emissions Reductions from Repairs



Sustainable Packaging and Material

As part of our commitment to reducing environmental impact, significant improvements have been made to packaging design and material use across our operations.

Packaging improvements have increased transport efficiency while substantially reducing material use. For two filter products sold globally, packaging weight has been reduced by 50%, delivering an annual saving of approximately 31,600 kg of cardboard. This reduction equates to an estimated 29.7 t-CO₂ avoided each year. In addition, reduced material use contributes to substantial water savings, with approximately 2.4 million liters conserved annually based on lifecycle water footprint data.



Across Europe, our approach to packaging emphasizes material circularity and responsible sourcing.

In Spain, all boxes used for deliveries are made from recycled cardboard, reducing the use of virgin raw materials. This approach is applied to all deliveries, supporting a standardized packaging process. Cardboard packaging is considered recycled when it contains at least 50% recycled content, and certificates are available to confirm compliance. In Finland, recycled cardboard packaging is also used for deliveries. This contributes to measurable environmental benefits, with a CO₂ reduction of approximately 22,000 kg in 2025. Together, these initiatives reinforce our commitment to sustainable packaging across Europe.



In the United States, initiatives have focused on improving material sustainability in both packaging and production. Retail shrink film has been transitioned from PVC to polyolefin, a more environmentally responsible plastic with lower associated environmental impacts.

In addition, production materials have been updated through the adoption of a thixotropic formulation using castor oil as an alternative to petroleum-based materials. This material is used to seal end panels during filter assembly and is applied across multiple product lines. As a plant-derived, renewable, and biodegradable resource, castor oil supports reduced reliance on fossil-based materials while maintaining required performance characteristics.

Filter Recycling

In Spain, we offer a service to collect used filters and deliver them to certified recycling companies. Customers receive an official recycling certificate confirming proper treatment and compliance with environmental regulations.

To date, we have successfully recycled 2 tons of filters through this program, contributing to waste reduction and supporting more sustainable operations.

Water Efficiency and Reuse

In Malaysia, water conservation initiatives have been implemented through rainwater harvesting and reuse. By collecting rainwater for toilet flushing, we achieved an average 4% reduction in domestic water consumption, demonstrating improved water efficiency and resource management.

Green Logistics

At AAF, we are dedicated to reducing our environmental impact in our logistics process and contributing to a more sustainable future. In line with this commitment, we are taking significant steps through two key initiatives—one in Europe and one in North America—that demonstrate our ongoing efforts to promote sustainability and reduce our carbon footprint across the supply chain.

Europe: DHL's Green Carrier Certification

AAF/Dinair is proud to participate in DHL's Green Carrier Certification program, a key step in enhancing our sustainability efforts.

The Green Carrier Certification, introduced by DHL Freight, promotes transparency in sustainable logistics. DHL Freight invests in fossil fuel-free transport, and AAF/Dinair covers any additional costs, ensuring no impact on our customers. By participating, we aim to measure and improve our sustainability performance, reduce greenhouse gas emissions in the supply chain, and align with industry-leading environmental standards.

This program is now a standard initiative in our Swedish locations, with 66% of shipments using 100% renewable fuels.

We are committed to increasing this share further while continuing to invest in eco-friendly transport solutions and optimizing routes to reduce fuel consumption, strengthening our sustainability performance across our operations.



North America: C.H. Robinson's Emissions IQ™

AAF is joining forces with C.H. Robinson to advance sustainability in our North American supply chain. This collaboration leverages Emissions IQ™, a powerful technology developed by C.H. Robinson to measure and analyze carbon emissions across various transportation modes, helping us better understand and reduce our environmental impact.

Emissions IQ™ provides us with critical insights, allowing AAF to map and track Scope 3 emissions from transportation. Using this tool, we can identify opportunities to minimize fuel consumption, optimize supply chain efficiency, and reduce our carbon footprint. The costs associated with these improvements are fully absorbed by AAF, ensuring no added burden for our customers.

As part of this initiative, AAF has achieved significant reductions, cutting over 300 t-CO₂ in greenhouse gas emissions, alongside a 5% year-over-year reduction in emission intensity between 2024 and 2025. Emission intensity, which measures emissions per unit of output, plays a crucial role in minimizing our environmental footprint. By reducing intensity, we substantially lower our overall impact.

Our utilization of the SmartWay program—designed to improve transportation efficiency—is above 40%, reflecting our ongoing progress in enhancing logistics performance. This improvement underscores our ongoing commitment to sustainability. Our efforts, however, are just beginning, and we are dedicated to continuing our progress in emissions reduction in the years ahead.

300+ t-CO₂
Emissions Reduced

5%
Emission Intensity
Reduction

40%
SmartWay Volume

AAF Technology Tools Driving Enhanced Sustainability

AAF is dedicated to improving air quality and sustainability worldwide. We take pride in delivering environmentally friendly solutions through our innovative technology tools. Here are some examples of our latest technology tools that enhance sustainability by reducing Total Cost of Ownership (TCO) and minimizing environmental impact.

What is TCO?

Total Cost of Ownership (TCO) encompasses a comprehensive assessment of all expenses involved in acquiring, operating, and maintaining a product or system throughout its lifespan. This includes initial purchase costs, ongoing operational expenses, and maintenance fees.

How Reducing TCO Helps the Environment

Reducing TCO not only lowers expenses but also significantly reduces environmental impact. Specifically, lowering energy consumption reduces greenhouse gas emissions, longer product lifespans result in less waste, and decreased maintenance costs provide benefits for both the environment and the company's financial health.

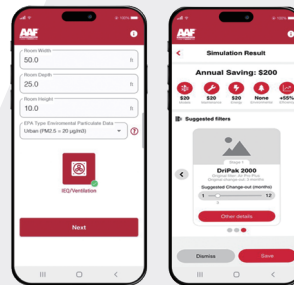


Introduction to AAF Technology Tools



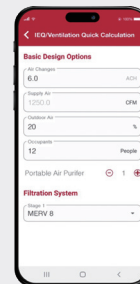
VisionAir® TCO

VisionAir® TCO is a cloud-based software designed for commercial building owners and facility managers. Users can leverage the tool's real-time performance information, Total Cost of Ownership (TCO) analysis, and comparison reports to make data-driven decisions that improve air quality and reduce costs.



VisionAir® Clean

VisionAir® Clean is a specialized software for cleanrooms that helps users to reduce energy consumption through efficient filtration solutions. The program includes features such as air change rate selection, Total Cost of Ownership (TCO) calculations, and built-in design templates. Users can run simulations for multiple rooms, generate detailed reports on recovery time and air change rate optimization, and access a technical library of industry standards.



VisionAir® IEQ

VisionAir® IEQ, part of the VisionAir® Clean app, is a software designed to optimize Air Change per Hour (ACH) rates and identify reductions in particulate matter (PM) levels across various particle sizes in spaces like schools, offices, and commercial buildings. VisionAir® IEQ allows users to compare scenarios— with and without air purifiers— to visualize the health benefits of enhanced air filtration and identify the most effective clean air solutions for their environment.

Introduction to AAF Technology Tools



VisionAir® 360

The VisionAir® 360 app was specifically designed for AAF to help our team deliver personalized IAQ solutions to customers. Team members use the app to capture images of customers' air handling units and filters, assess the equipment's current condition, and generate detailed audit reports based on the collected data. Finally, Total Cost of Ownership (TCO) simulations are performed to provide customers with cost-effective recommendations, helping them control energy usage and reduce environmental impact.

VisionAir® SAAF

VisionAir® SAAF is software designed to simplify the control of airborne gaseous contaminants. It can be integrated with existing equipment, tailoring solutions that provide precise configuration of clean air products for specific industries. The software includes an extensive contaminant library and 10 different types of chemical media, allowing users to fine-tune key variables and quickly create personalized submittal packages.

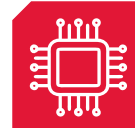
Successful TCO and Environmental Impact Reduction with AAF Technology Tools and Products



Healthcare

Cancer Treatment Center in Arizona, USA

50% energy reduction resulting in greenhouse gas saving of 19 t-CO₂, using MEGAcel® filters.



Microelectronic

Cleanrooms at a Global Semiconductor Company

Energy savings of \$340K+ anticipated over 5 years, amounting to a 1,250 t-CO₂ greenhouse gas emission reduction, using AstroFan™ FFU and MEGAcel® filters.



Lifescience

Cleanrooms at a US Medical Device Manufacturer's Facility

Filter failure reduced to 0%, achieving significant energy savings, leading the company to replace all existing glass HEPA filters with MEGAcel® filters.



Commercial & Public Buildings

LEED-Gold Certified Convention Center, USA

Filter lifetime doubled, contributing to the customer's green building practices, using PerfectPleat® SC M8 and VariCel® MERV 13 filters.



Transportation

Global Manufacturer of Large Diesel Engines and Parts

50% decrease in AHU energy consumption, resulting in a 72 t-CO₂ greenhouse gas emission reduction, using MEGAcel® filters.



Food & Beverage

World's Leading Producer of Food Products

Filter life extended from two weeks to five weeks — 2.5 times longer than the previous service life, using DriPak® 2000 filters, with a cost benefit of \$48,895 per year.

AAF Supporting Energy Decarbonization

With the global energy landscape rapidly shifting, the pressure to reduce greenhouse gas emissions in oil and gas production, as well as gas turbine power generation, has never been more urgent. Achieving a cleaner, more sustainable future requires more than a shift to renewable sources; it demands significant improvements in operational efficiency. For decades, AAF has been at the forefront, providing innovative solutions to support our customers' decarbonization efforts. Filter upgrades can be easily implemented by customers with a relatively low capital investment, which in return, can deliver quick gains and savings toward net-zero strategies. Through products like Optimize™ and N-hance®, AAF has continually enhanced gas turbine efficiency, minimized fuel consumption, and reduced greenhouse gas emissions. Our longstanding commitment to sustainability has made us a trusted partner in the pursuit of cleaner, more efficient energy operations.



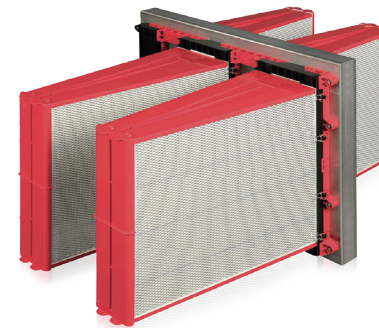
Optimize™ is a service that helps gas turbine users optimize their air inlet systems, improving airflow, temperature control, and contaminant management. This enhances turbine performance, reduces fuel consumption and operational costs, and supports the transition to cleaner operations, ultimately lowering the total cost of ownership.

**Over
200 GTs
optimized.**

**10M GJ
fuel saving
per year.**

**580,000
t-CO₂ GHG*
emissions
reductions
per year.**

*GHG = greenhouse gas



N-hance®
Performance Filtration

N-hance® Performance Filtration is a custom-engineered filter designed for offshore environments. It optimizes turbine performance, reduces costs, and minimizes environmental impact, promoting sustainability in the energy sector. With 80% of the addressable market in North Sea offshore operations choosing N-hance®, it sets a benchmark for both performance and sustainability.

Typical example for 1 representative GT installation:

**22,000
GJ
fuel saving
per year.**

**2,000
t-CO₂ GHG*
emissions
reductions
per year.**

*GHG = greenhouse gas