



Sustainability has been our core concept **since day one**

As governments legislate tougher measures to save energy, reduce greenhouse emissions and improve air quality, some air filter manufacturers are being forced to adjust their product ranges to meet new environmental standards and requirements.

This is hardly the case at Camfil, where sustainability has been the core concept since we started operations more than 50 years ago. From the very beginning, our business model has been to provide clean air with the most effective and most energy-efficient filtration solutions on the market. People, processes and the environment benefit from our technology. Our air filtration solutions contribute daily to healthier indoor air quality, reduce greenhouse gas emissions and save energy.

Our on-going global sustainability programme is therefore a natural extension of our fundamental belief in being the most eco-friendly air filter manufacturer on the market. For years we have been constantly greening our technology and products for customers and end-users, helping them to reduce their energy consumption and shrink their environmental footprint. Every year, we make our production units leaner and greener to reduce their environmental impact.

With sustainability embedded in our product portfolio for more than half a century, we can team up with our customers to help safeguard the planet for coming generations.

Paying close attention to the social, economic and environmental impact of our global operations is another important aspect of our sustainability. Camfil was the first air filter manufacturer to launch a sustainability programme and this section of our annual report presents some key activities and figures from our sustainability work in 2014.



Camfil's CEO, Magnus Yngen:

"Camfil is the most eco-friendly air filtration manufacturer on the market and sustainability has been embedded in our business model since day one. A strong belief in sustainability empowers us to innovate, improve and advance on the product, process and service front, improve business performance and reduce the eco-footprint of our operations. Being a recognized, sustainable supplier also strengthens our reputation as a valued and trusted partner."

“I am proud to work at Camfil Sweden, where we use close to 100% wind, water and solar power for all our energy needs. We have also reduced our total energy consumption by 50% since 2007.”



**Åsa Lidström, Quality & Environmental Manager,
Camfil Svenska AB, Sweden**

Sustainable role model in government energy savings guides

In two recent government energy savings guides – in France and the U.K. – Camfil is held up as a leading example in sustainable operations.

To give an example, the British guide, Energy Savings Opportunity Scheme (ESOS), states that “... Camfil has put energy management at the heart of its business model. The company has initiated an energy reduction programme, the Camfil Energy Awareness Saves Environment (CEASE), and its key objective is to educate property and building managers about the financial and energy-saving opportunities that can be made by replacing existing air filters with low energy air filters. As a result of the energy management steps that Camfil has taken, significant reductions in energy usage and improvements in energy efficiency have been achieved. These improvements resulted in Camfil saving over GBP 200,000 on energy bills through minimal cost, self-funding opportunities.”

► Read more at: <http://www.keepthecityout.co.uk>



Award for protecting cultural facilities around the world

In 2014, Camfil was presented with the Diplomat Award by the International Association of Museum Facility Administrators (IAMFA) for “significantly advancing IAMFA's mission to make exceptional contributions to the state of design, construction, operation and maintenance of cultural facilities around the globe”.



Photography © Nick Cunard

The 1215 London copy of the Magna Carta, displayed here in the Magna Carta Unification Display at the British Library.

The award was given at the Annual IAMFA Conference in Scotland to Dr. Chris Ecob, Camfil's Global Business Manager for Molecular Filtration. The conference is IAMFA's platform for exchanging ideas about the latest technologies for cultural facilities.

From the British Library to the Uffizi

Over the years, Camfil has designed and supplied activated carbon filtration systems to preserve the art treasures and artefacts of many prestigious museums and galleries, including the Uffizi in Florence, the British Library in London, the State Hermitage Museum in Saint Petersburg and the Getty Villa in Los Angeles, California.

Meeting Eurovent's tougher demands

Eurovent is the professional trade organization for the European heating, ventilation and air conditioning industry, which includes air filtration products. Eurovent recommends and sets performance standards and introduced a new and tougher energy efficiency classification system for air filters in 2015.

The new Eurovent classification places much higher demands on air filters and the amount of energy they use. The system is similar to the energy ratings for household appliances. Energy efficiency is classified from A+ (most efficient) to E (least efficient).

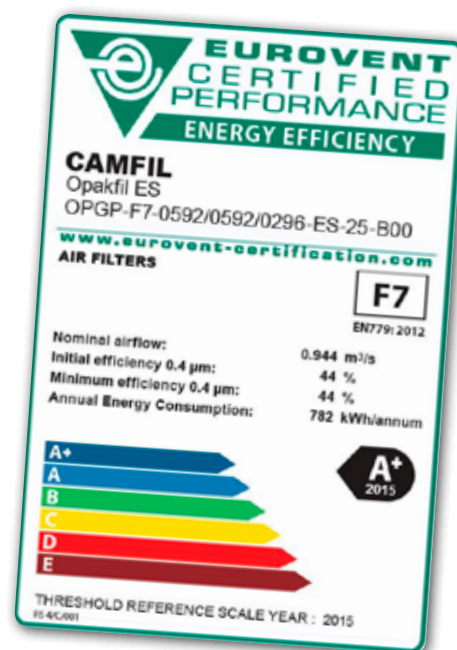
The filtration efficiency of filters for ventilation systems is also ranked in various classes, such as F7, F8 and F9. To illustrate the tougher energy efficiency demands, Eurovent's previous energy efficiency requirement for an F7 filter in the A class was 1200 kWh per year. In the new and higher A+ category, the requirement for F7 filtration is stricter and lower at 800 kWh per year.

Selecting a quality filter with A+ efficiency for F7 filtration will therefore have an impact and save as much as 400 kWh annually per filter. This is a strong motivation for property owners in Europe, who are faced with meeting increasingly tough government standards to increase the energy efficiency of commercial and public buildings. Choosing the most effective filters with the highest energy efficiency for air handling units (AHUs) – the heart of every ventilation system – will thus fulfil two important goals: the best indoor air quality with the lowest energy consumption.

Opakfil ES™ leads the industry

Camfil is one of the first air filter manufacturers in Europe to offer a newly developed energy-efficient air filter that can meet the toughest requirements for filtration efficiency and energy use. The filter, Opakfil ES, has received the highest energy ranking, A+.

Opakfil ES A+ is available in filter classes F7, F8 and F9 and can be used in the AHUs of both new and existing building ventilation systems. If all F7, F8 and F9 filters in Europe were replaced with Opakfil ES, the



potential energy savings would be substantial for building owners, enabling them to comply with new energy efficiency standards and regulations without compromising indoor air quality.

In terms of filtration efficiency, the performance of the Opakfil ES also exceeds the limits of the European standard EN779:2012 at the lowest ME (Minimum Efficiency) value.

It should be noted that the required efficiency value will depend on the exact application because polluted outdoor air may contain unhealthy particles, such as carcinogenic diesel particles from vehicles and ultrafine particles from other kinds of combustion, which affect health negatively. These pollutants must be removed by filtration before the air is introduced as make-up air through ventilation systems.

When urban environments have high concentrations of particulates and harmful gases, filters like Camfil's City series, which combine both particle and molecular filtration, are another effective and energy-efficient choice for healthier indoor air.

► Read more at www.camfil.com/energyhero

“Eurovent's new rating makes it easier to choose the right air filter. Opakfil ES is one of the few filters on the market with an A+ rating, making it one of the most energy-efficient compact filters in the world.”



Sophie Matuszewski, R&D Manager, Camfil Sweden

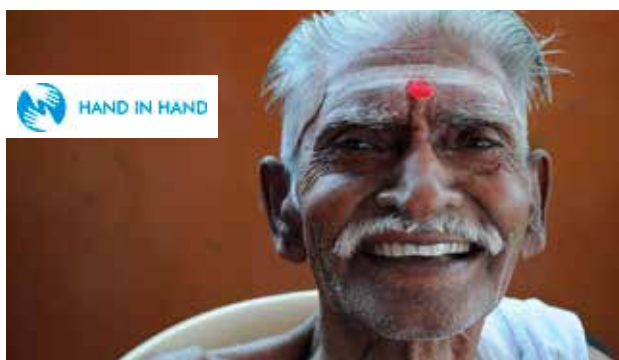
A helping hand across the globe

During one week every year for six years, the whole Camfil Group has celebrated and manifested its will to contribute to a more sustainable world. We call this internal event “CamfilCairing Week”. For five days, we carry out various sustainability and corporate social responsibility activities at Camfil facilities around the globe. These activities, which vary from company to company, range from donating blood to planting trees and collecting clothes and food for the needy. Here are a few recent examples:

Helping to improve village life in India

In February 2013, Camfil India started sponsoring a Village Upliftment Program (VUP) with support from the Hand in Hand organisation. Camfil's support is currently focused on the following five pillar activities:

- Self-help group promotion and job creation
- Child labour elimination programme
- Health
- Establishment of citizen centres
- Environmental protection



290 blood donors globally

During CamfilCairing Week in 2014, 290 Camfil employees donated blood around the globe. Camfil's employees initiated this valuable CSR activity and it offers a great advantage since everyone can volunteer to give blood no matter where they work for Camfil in the world.



Hand & Safety Campaign

In the autumn of 2014, an internal Hand & Safety Campaign was carried out within Camfil. All our production facilities around the world were invited to join. The campaign focused on safety in general and hand injuries in particular.

At Camfil, we put much emphasis on employee safety. In just a few short years, several of our factories have been able to reach and maintain zero lost workdays due to work-related injuries. In 2014, the number of lost days caused by injuries in the workplace was reduced by as much as 42%, compared to the year before (see metrics for 2014). The injuries that occur are mainly to hands – the reason why the campaign was focused on hand protection with this main message: “Safety is in your hands. Wear protective gloves”.

Camfil UK is a Living Wage employer

“We are extremely proud of our UK Living Wage Employer Accreditation. It demonstrates that every member of our staff earns not just the minimum wage but the Living Wage.”



Bill Wilkinson, Managing Director, Camfil UK

The Living Wage is an hourly rate set independently and updated annually, based on the cost living in the UK. Employers choose to pay the Living Wage so people can provide for themselves and their families. The campaign, running for ten years, has lifted over 45,000 people out of poverty.

Sustainable actions in Malaysia

Energy conservation

In line with the company's commitment to sustainability, Camfil Malaysia took a step forward to reduce energy consumption (electricity) in 2014, implementing the following energy conservation measures:

- A review of line balancing and manpower balancing processes. Camfil Malaysia now manages production in a single shift, instead of two, and has still increased output.
- An upgrade of the plant's air compressor, which used to be running under capacity and consumed more electricity. The upgraded compressor is now saving energy.

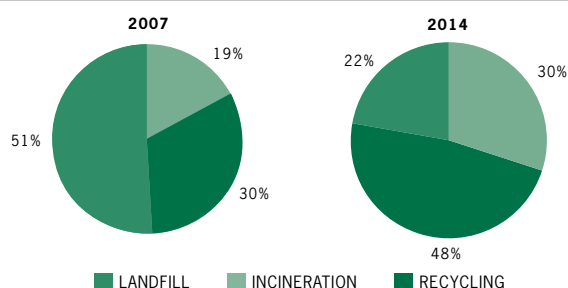
As a result, Camfil Malaysia reduced power consumption by 6%, compared to the previous year (from 3,185,365 kWh in 2013 to 2,993,816 kWh in 2014).

Hazardous waste reduction

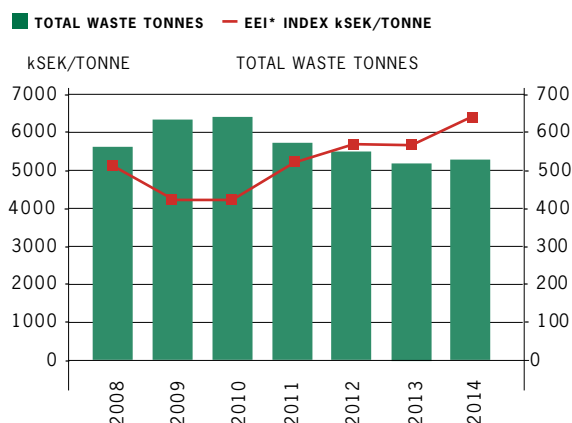
In Camfil, polyurethane is one of the main raw materials used to attach the media pack to the frame. Usage depends on the type of filter in production. Polyurethane waste is considered to be hazardous waste and improper disposal can harm the environment.

Activities were implemented, and as a result, Camfil Malaysia reduced the amount of hazardous waste it disposes from 53.6 tonnes in 2013 to 34.8 tonnes in 2014, a decrease of about 35%.

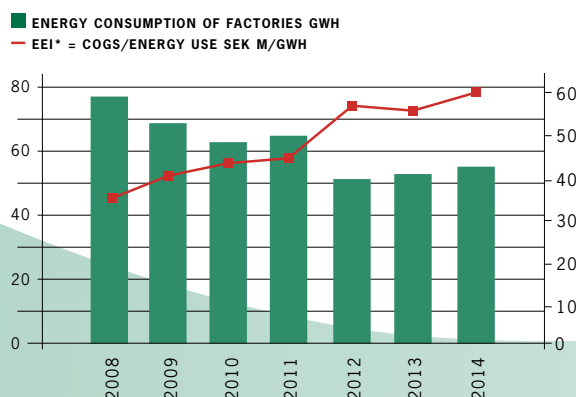
Waste destination



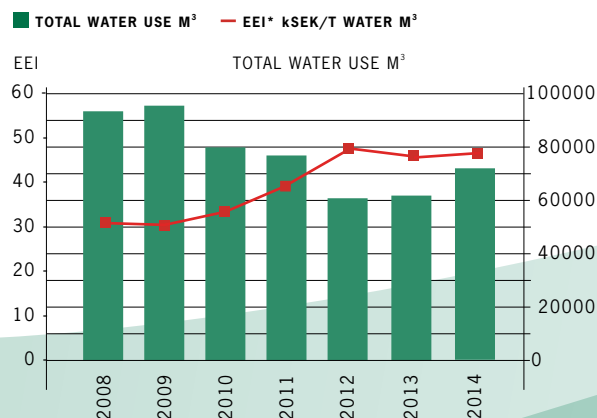
Waste



Energy use



Water use



The charts above display the waste efficiency factor, energy efficiency factor and water efficiency factor as value created per unit of resource used.



Promoting clean air as a human right across Europe

Camfil's Indoor Air Quality (IAQ) Road Show continued to tour Europe in 2014. This unique 13-metre-long travelling exhibition is equipped with lab stations that show people what they are actually breathing at their place of residence or work. The Road Show informs visitors, both professionals and the non-initiated, how they can keep polluted city air from penetrating indoor spaces. The mobile exhibition also teaches people about the filters needed to accomplish this, and how effective air filtration improves human health and provides significant economic and environmental benefits.

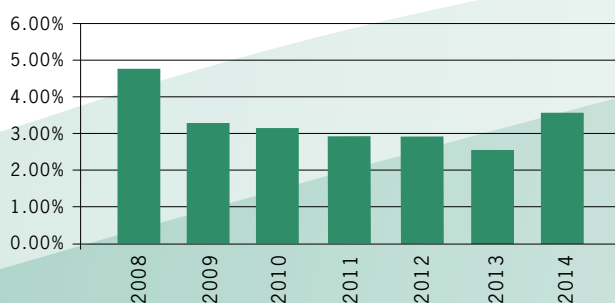
Balancing health and energy savings

The right quality filter, which uses the lowest amount of energy, will achieve the dual goal of the best indoor air quality with the highest possible energy efficiency, without compromising people's health. The constant aim of Camfil's sustainability is always to find the right balance between indoor health and energy savings.

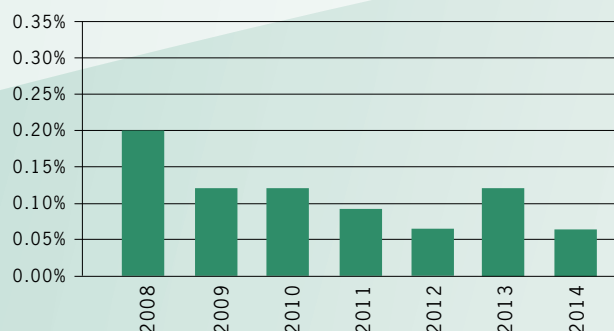
To find out more about the sustainability work of the Camfil Group, please visit our website www.camfil.com or connect with us on [facebook.com/IAQRoadShow](https://www.facebook.com/IAQRoadShow).

Sustainability in the workplace

**Number of sick leave days
per 100 work days**



**Lost work days due to work-related injuries
per 100 work days**



Lost work days due to work-related injuries decreased by nearly 42%. This improvement was probably due, in part, to our internal Hand & Safety campaign, which promoted and educated employees about on-the-job safety.

CAMFIL is the world leader in air filters and clean air solutions.

Camfil is the global industry leader in clean air solutions with more than 50 years of experience. Our solutions protect people, processes and the environment to benefit human health, increase performance, and reduce and manage energy consumption. Twenty-five manufacturing plants, six R&D sites and over 65 local sales offices worldwide provide service and support to our customers. The Camfil Group is headquartered in Sweden but more than 95 percent of sales are international. The Group has approximately 3,700 employees and sales close to SEK 5.5 billion.