

Our business concept – providing clean air – is closely linked to sustainability

Our sustainability program is a transparent and tangible way of showing that we care about people and the environment. Camfil's business concept and mission – to provide clean air – is closely interlinked to sustainability because our air filtration solutions contribute daily to healthier indoor air quality, reduce greenhouse gas emissions and save energy.

The future depends on sustainability. This is why we want to help safeguard the planet for coming generations by constantly greening our technology and products for customers and end-users. Our sustainability efforts also require us to pay closer attention to the social, economic and environmental impact of our global operations.

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 2013.



Camfil's CEO, Magnus Yngen:

"We have come far in our vision of becoming the most eco-friendly air filtration manufacturer on the market. Sustainability is a key strength for us that allows us to innovate, improve and advance on the product, process and service front, lower costs and improve business performance – as well as reduce the eco-footprint of our operations. Being a recognized, sustainable supplier also strengthens our reputation as a valued and trusted partner."

“ In 2013, we inventoried the chemicals at the Trosa factory and eliminated 80 that have been replaced with four environmentally friendly alternatives.”

Jeanette Thorsell, Camfil Sweden



Winning green awards

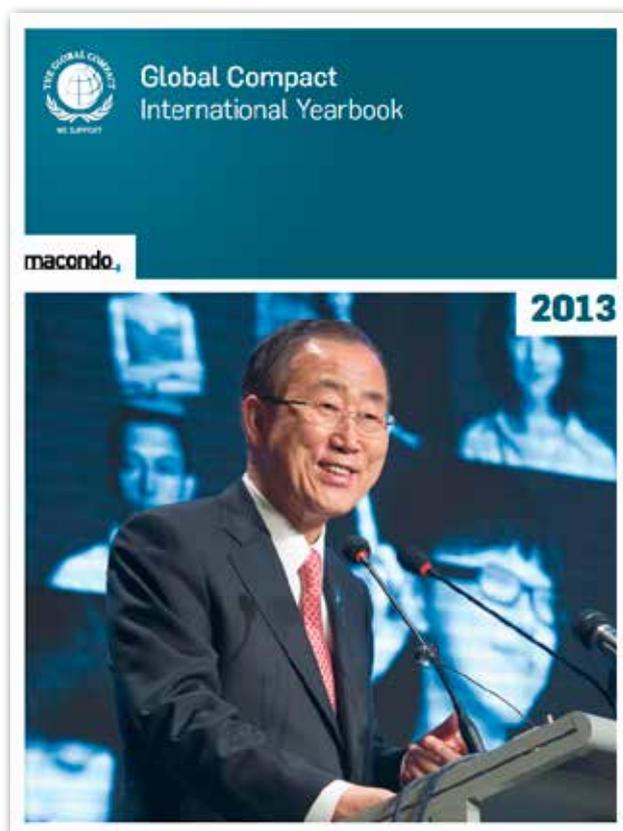
In 2013, Camfil had the privilege of being recognized as a champion of sustainable solutions through several “green” awards. Camfil U.K. won the “most innovative product or service” award from Norland Managed Services for its energy audit and installation of low-energy air filters at Norland’s end-user site. The project involved Camfil’s award-winning low-energy air filter (the Hi-Flo™ M7 F7 bag filter), which improved air quality, reduced waste and lowered energy consumption and CO₂ emissions to deliver savings of more than GBP 35,000 (about EUR 42,500, USD 58,500) on the existing filter installation at a Norland site.

Camfil was also a Top Regional Award Winner at the prestigious BEI Asia Awards for 2013, which recognize, reward and honour the achievements of leading enterprises across Singapore’s Built Industry Environment (BEI). The awards also acknowledge local and regional companies that have demonstrated excellence in establishing successful businesses while engaging in corporate social responsibility through sustainable efforts.



Camfil in the Global Compact International Yearbook

The Camfil Group was one of the companies featured in the 2013 edition of the Global Compact International Yearbook, a publication showcasing examples of businesses that are applying the 10 principles of the UN Global Compact and advancing corporate sustainability.



Sustainability at the heart of our business model

In the yearly Energy Efficiency Strategy Report, published in the U.K., Camfil was portrayed in a case study regarding ISO 5001 Energy Management System Implementation.

In the study, Camfil was described as a company that “... has put energy management at the heart of its business model. It 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 (about EUR 243,000, USD 334,000) on energy bills through minimal cost, self-funding opportunities.”

Quality air filters are more sustainable

Reducing the power consumption of HVAC systems with energy efficient filters like Camfil's – that also improve IAQ – is a practical way to mitigate climate change and combat the health threats of indoor air pollution.

The savings are true and tangible if customers make the right decisions and are willing to pay for the best available air cleaning solutions. The threshold may be slightly higher in terms of filter prices, but the benefits are far greater because quality filters last longer, clean better, save more energy and do not have to be changed as often.

This adds up to a lower total cost of ownership (TCO). The economic benefits, measured in terms of energy savings and cost reductions, surpass the initial purchasing cost for higher quality products.

We have our own unique R&D resources, such as our state-of-the-art Technology Centre in Sweden, plus tech centres in other world regions. One primary focus of our research is the overall life cycle performance of our products: how we deliver air quality of maximum benefit while minimizing our environmental impact.

We accomplish this by selecting the right materials, using the right production methods, minimizing transportation and ensuring appropriate end-of-life treatment.

We also focus on energy aspects since the cleaning of "dirty" air requires power, making the energy efficiency of our filters just as important.

The potential savings are demonstrated every year in many customer cases, with measurements proving that Camfil filters reduce the power appetite of heating and ventilation systems in commercial, industrial and public buildings. This is because Camfil filters have the least airflow resistance and cut energy usage in air handling units.

Here is an example to illustrate the energy-saving features of Camfil filters: *For every percent we improve the energy performance of our product portfolio, our customers save more than 100 million kWh of electricity per year... with the added major benefit of better indoor air quality (IAQ).*



Energy-efficient product range – making a difference

In 2013, Camfil most energy-efficient filter solutions for ventilation accounted for 67 percent of global sales in the Comfort Air products segment.

Since 2007, 21 percent of our Comfort Air product sales volumes have been converted into energy-efficient filters that also improve IAQ.

Energy Tower demonstrates the energy efficiency of our filters

Some filters today are energy-classified like household appliances. This classification helps customers understand an air filter's annual energy consumption, initial efficiency and minimal efficiency.

To apply the classification, we have modified the labels and names of our products. In addition to these initiatives, the R&D laboratory at Camfil France has developed an "Energy Tower" to measure the energy consumption of various filters in demonstrations for customers.

This comparison tool is being used more and more because the Energy Tower clearly documents for our customers how important it is to have a filter that performs well in terms of IAQ and energy consumption.

“ At our plant in Washington, North Carolina, we are replacing our 400 W halogen lights with energy-saving fluorescent big E-bulbs. This will yield annual energy savings on lighting by up to 50 percent.”



Sean Harrison, Camfil USA

A helping hand across the globe

During one week every year for five 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 etc. Here are some examples:

Sponsoring a village upliftment program in India

In February 2013, Camfil India started sponsoring a Village Upliftment Program (VUP) with support from the Hand In Hand (HIH) organization. This support to the two villages of Devarayaneri and Asur is planned for a period of two years and Camfil's assistance is focused on the following five pillar activities:

- Self-Help Group Promotion and Job Creation
- Child Labour Elimination Programme
- Health
- Establishment of Citizen Centres
- Environment Protection



More than 200 blood donors globally

During the 2013 CamfilCairing Week, 217 Camfil employees donated blood around the globe. This valuable CSR activity has been initiated from the employees and it offers a great advantage since everyone can do it no matter where they work for Camfil in the world.



20,000 mangrove seedlings planted in Thailand

In August 2013, Camfil Thailand carried out a record-breaking corporate social responsibility activity in partnership with different volunteer groups at Bo Kaew Village in Samutsongkram province.

On a special day, several groups planted as many as 20,000 mangrove seedlings. To raise money for the project, Camfil Thailand staff sold 1,000 "camcAlRe" T-shirts. During the event, support was also given to local fishermen by transforming scrapped Durafil ES® filter casings into "camcaire crab banks", which later were distributed to a nearby coastal area.



Supporting the needy in Sweden and the U.S.

In Sweden, Camfil's Stockholm office gave money to Saint Klara Church to buy bags of Christmas food for homeless women with children. Staff at the plant in Trosa participated in a clothing drive to collect warm clothes and shoes for the homeless and other people in need. These efforts included a drive to collect clothes and toys for children.

Another clothing drive was conducted during CamfilCairing Week at facilities in Österbymo and Örnsköldsvik, after which an Österbymo employee travelled to an orphanage in Kenya to donate the collected clothes.

In the United States, Camfil in Washington, North Carolina arranged collections for the aid charity "Eagles Wings". Employees contributed non-perishable items, such as paper towels, toilet paper and washing powder, and food items like pasta, beans, soups and cereals.

Greening our operations

Camfil APC has embarked on a Lean journey

Early in 2013, Camfil APC in Jonesboro, Arkansas (United States) began the journey down the road of "Lean Manufacturing" to improve flow, reduce inventory, lower costs, improve efficiency, and make operations sustainable well into the future.

The project began by teaching everyone in the company the principles of Lean in a number of one-day "Lean 101" classes, where everyone had an opportunity to participate in a series of simulated manufacturing processes.

Now that everyone has fundamental training, the techniques learned are being applied into real-life opportunities. To date, six lean events have been held, resulting in inventory reductions, decreased unplanned downtime, faster changeovers, increased time standard accuracy and overall better workplace organization.

Camfil Malaysia saves PU and hardener

In 2013, Camfil Malaysia's Maintenance and Facilities Department initiated a project to save costs and cut scheduled PU (polyurethane) and hardener waste. As a result, the company is saving around RM 180,832 per year in mixed PU and hardener (USD 54,857, EUR 39,971).

The project has also reduced Camfil Malaysia's environmental impact by cutting scheduled waste by almost 10,500 kg/year, saving an additional RM 25,700 per year (USD 7,823, EUR 5,700).

First ISO 50001 certified company in Slovakia

Camfil's Levice plant is the first Slovak company to be certified to ISO 50001, currently the highest standard for energy management. The Levice facility has also committed to reduce energy consumption by 15 percent per unit of production over the next ten years.

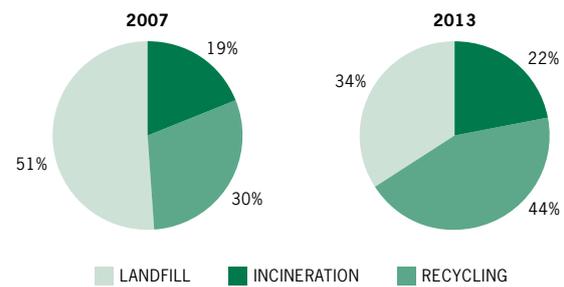
Camfil factories were the first to pass energy management system certification in Malaysia, Slovakia and the United Kingdom. Early adoption of best practices for energy-efficient operations allowed the Camfil Group to reduce its energy bill by 20 percent.

“Camfil Norway moved into a new building in 2013 that consumes about 90 percent less energy than before it was rehabilitated.”

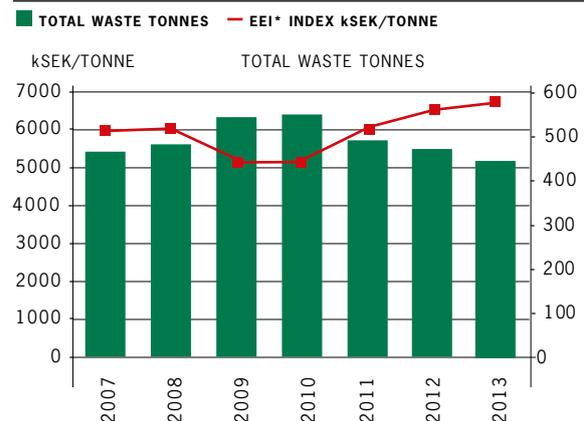
Lars Rustad, Camfil Norway



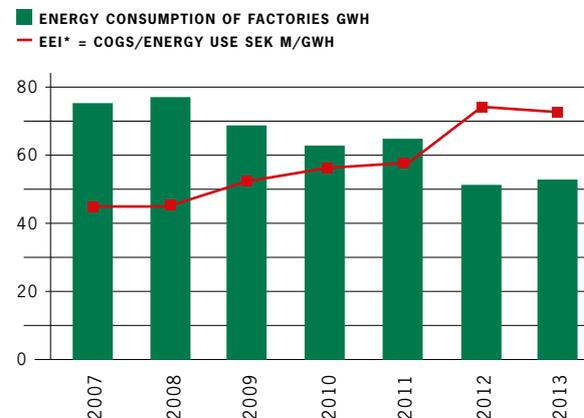
Waste destination



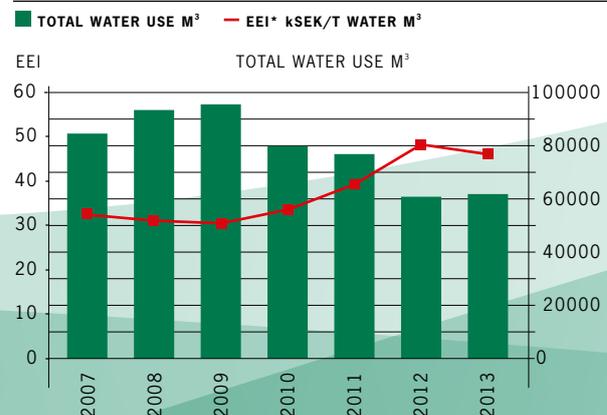
Waste



Energy use



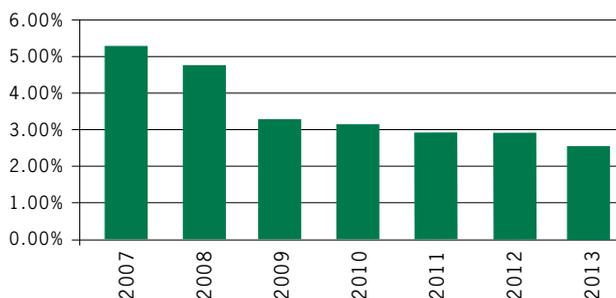
Water use



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

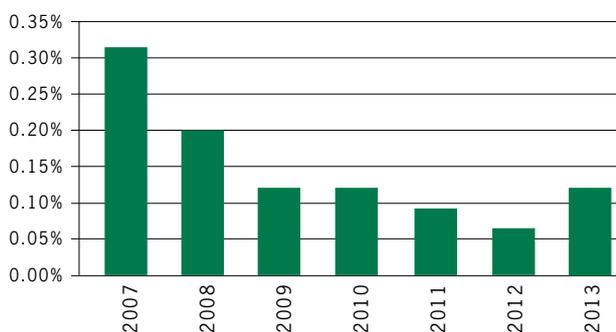
Sustainability in the workplace

Number of sick leave days per 100 work days



Sick leave days continue to be reduced over the years.

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



Work lost days due to work related injury increases significantly. However safety is improving. Less accidents were reported in 2013, but gravity was high and resulted in long recovery times per injury.

“ We had zero lost work days in 2013 due to work-related injuries. This was achieved by keeping Health & Safety at the forefront of all employees' minds.”

Brian Haslam, Camfil UK



Promoting clean air as a human right across Europe

Our IAQ Road Show continued its tour around Europe in 2013. This unique 13-metre-long travelling exhibition is equipped with lab stations that show you what you are actually breathing at your place of residence or work. It also tells you how you can keep polluted city air from penetrating indoor spaces. And it teaches you about the filters you need to accomplish this, and how effective air filtration improves human health and has important economic and environmental benefits.

Balance between health and energy savings

We cannot save energy at the cost of compromising people's health. At the same time it is important to use as little energy as possible. So the aim of our sustainability work is always to find a working 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).