



Reducing our global footprint

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In 2013, the Earth's atmospheric CO₂ level peaked at 400 ppm and this is still rising. Atos considers energy and carbon management to be two key challenges that have to be addressed through our own actions. In addition, by working closely with our clients, we encourage them to consider these challenges as levers for more effective performance.

Our approach is to systematically track (measure, abate and report) the pollution produced by our own organization. We regularly examine and review our ways of working and our operations with a focus on reducing energy and greenhouse gas emissions. In 2013, we paid particular attention to datacenter optimization, and we also extended the use of decarbonized energy in more of our country operations and continued to develop remote collaboration thanks to our collaborative platform.

In 2014, we will continue on this path, using the implementation of our ISO 14001 program as a means to mobilize employees about environmental challenges. We will also give priority to waste and water management as two new issues to be addressed.

19,309

Global footprint
by revenue (Kg CO₂/M € revenue)
[EN16]

48

ISO 14001 certified sites
(Offices plus datacenters)
[EN28]

105.29

Average of emissions
in company's fleet cars (gr CO₂/km)
[EN16]



Leading the way in carbon management

The global environmental impact of the IT sector is substantial. Within Atos, the challenge to decouple economic growth from carbon emissions growth is continuously reviewed at all levels of the company, monitored through Key Performance Indicators, and with a clear determination to reduce environmental impacts.

Since 2008, Atos has made considerable efforts to achieve low carbon operations in order to reduce its impacts on the environment.

Our first global footprint measurement in 2008 became the baseline for our future emissions reductions, with targets set for a 50% reduction by 2012. By the end of 2012, Atos exceeded its interim target, achieving a 41% reduction and it was clear that with planned activities, our 2015 targets were also going to be exceeded. That is why this ambition was extended to an additional 50% reduction by 2015, henceforth using the 2012 baseline.

Atos was recognized in 2013 by the Carbon Disclosure Project (CDP) for its leadership in climate change initiatives through its energy efficiency and carbon reduction measures. Atos achieved a score of 93 in the Climate Disclosure Leadership Index, a result of its high level of transparency, and was placed in band A in the Climate Performance Leadership Index, which only the top 10% of companies assessed worldwide achieve. In order to continue to reduce energy consumption, in 2013 Atos increased its use of decarbonized energies. Atos Netherlands, France, Belgium, United Kingdom and parts of Germany are already using Zero Carbon energy. Our CO₂ emissions are mainly caused by the operation of our datacenters and offices and by travel activities. Since it is not yet possible to eliminate all of our carbon emissions, we have pursued a program to offset the carbon produced by our datacenters. As leaders in carbon management, we also provide our clients with carbon neutral hosting as standard across the globe.

Certified environmental management systems

The implementation of an Environmental Management System within our major sites contributes not only to our environmental performance but it also improves our competitiveness and increases the performance of the company worldwide.

The Atos targets for implementation of its Environmental Management System are to certify by 2015 all of its strategic datacenters and all of its main office sites with more than 500 employees worldwide. This means certification of 102 sites, of which 31% are datacenters and 69% are offices. 70 sites are within the global scope for certification, while geographical business units have identified more than 30 additional sites within their region to meet their own environmental targets and market requirements.

By end of 2013, 64% of sites were covered by the Environmental Management System. 65 sites are now certified or in the process of certification, including 24 datacenters and 41 offices. The remaining sites will be certified over the period 2014-2015.

50%
reduction of Atos global carbon footprint by 2015

Band A
Atos ranked band A in the Climate Performance Leadership Index by CDP

Reducing our global footprint

Reducing our global footprint

Atos committed to reducing its energy consumption

The most significant environmental impact resulting from Atos' business operations arises from the consumption of energy and thereby the direct or indirect carbon emissions into the atmosphere. Our CO₂ emissions are mainly caused by the operation of our datacenters and travel activities and to a lesser extent from our offices.

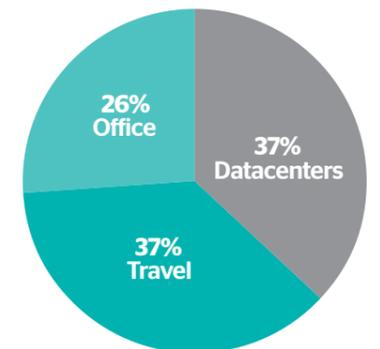
CO₂ FOOTPRINT PROGRESS (2008 BASELINE)



To reduce energy consumption Atos focuses on all major emissions sources using a range of levers in the three following areas:

Emissions Source	Main Activities
Datacenters	Consolidation of sites, driving efficiency by increasing equipment utilization levels and therefore reducing the amount of equipment in use
	Improvement of supporting electrical and cooling infrastructure, using modern more efficient equipment configured to operate optimally
	Use of smart management tools (DCIM) to constantly optimise IT resources management (including energy) and physical assets
	Deployment of Cloud and virtualization solutions, again to increase ICT equipment utilization and therefore reduce the total amount in use
Offices	Consolidation of offices (m ²) and extension of the Campus Concept in countries where Atos is located
	Use of smart management tools to constantly monitor and manage energy and how it is consumed
Travel	Office assessment program HVAC (Heating, Ventilation and Air-Conditioning), to identify opportunities for efficiency improvements and to inform our facilities improvement program
	Travel avoidance with our collaborative toolset
	Promotion of low carbon transportation and vehicle sharing
	Electric vehicles

CO₂ EMISSIONS





Smart workplaces

The Wellbeing@work global initiative develops new ideas and approaches to improve our employees' working environment. In 2013, the Group rolled out a digital working environment to increase worldwide collaboration and networking, reducing the need for work travel.

Through its Smart Campus concept, Atos has established a new working environment which incorporates key elements designed to reduce the environmental footprint of its employees.

The principles of desk sharing and open spaces have reduced the number of square meters used in offices, thereby reducing the energy needed for lighting, heating or cooling workspaces.

The Smart Campus concept has also embraced a move towards a zero paper office. By rationalizing the number of printers (1 for 50 people), removing individual printers, and promoting the idea of 'follow-me printing', paper consumption has significantly decreased, (decrease of 29% between 2012-2013) while the security of information has been improved. To further its Zero email™ ambition, the company has also deployed a global digital platform and new tools to enable employees to access their work environment at all times from any location. A key feature of this new approach is that it encourages remote working and for travel to be restricted to the minimum. Atos employees now collaborate through communities on Atos blueKiwi, in conference calls via Lync, and they can access knowledge management and document storage on SharePoint.

In 2013, the new digital working environments, which are based on the use of various technologies, were deployed in all regions where Atos operates. These tools have created positive social benefits such as flexible working times and a better work/life balance as well as economic benefits through enabled mobility and greater flexibility contributing to productivity increase. At the same time, less emails being sent internally has led to less energy being used to store data and the new digital platform means that employees can

discuss projects and collaborate online wherever they are based in the world without the need to travel thousands of miles, thus contributing to reducing the Group's environmental footprint.

Sustainable modes of travel

Atos employees are also encouraged to use environmentally friendly modes of transport for work travel. The Atos green global travel policy requires all employees, wherever they are in the world, to favor 'smart' transport whenever possible (e.g. company cars <120g CO₂, train instead of airplane, Atos electric car fleet or public transport). All travel bookings must be made via a platform (travel agency), applying the travel policy in the booking process with a workflow of control and validation.

At the same time, Atos aims to offer its employees new environmentally friendly and attractive travel options in the form of its fleet of electric cars. Indeed, MyCar – Atos' fleet of electric vehicles – is one of the most significant examples in 2013 of the initiatives which demonstrate Atos' commitment to reducing its carbon footprint. One year after its launch at the end of 2012, the MyCar fleet of 10 electric vehicles located at Atos headquarters in Bezons, France, had close to 400 users, with 3,400 bookings, travelling nearly 100,000 km, and saving more than 12,000 kg of CO₂. In 2014, this initiative will be extended to additional locations in France.

10

social communities dedicated to sustainable topics

12,000

kg of CO₂ saved thanks to the use of the Atos electric cars

Defining best practice for a greener workplace

FOCUS ON BUILDING ASSESSMENT TO BETTER MONITOR RESOURCES

During 2013, Atos started to consider the true environmental impacts of its built environment as part of its environmental management system in the UK.

The impact of construction works, running business services or operations, maintaining the building during its lifetime, the location of the building and how it meets travel demands for staff, customers and visitors are all relevant factors when managing a company's impact in terms of the environment.

In the UK Atos has decided to consider these factors, together with issues such as energy usage, waste generation and travel, to develop an understanding of the impacts and longevity of options and decisions in relation to location, equipping and running the buildings from which it operates. In addition to a full consideration of the Atos global Environmental Management System, Atos UK applied the specific best practice measures associated with the built environment of the Royal Institution of Chartered Surveyors as a reference point, and then constructed its own model around these guidelines.

The Atos UK model helps identify how well a building measures against 99 good practice measures. It also identifies which good practice measures need attention. It produces an empirical score value, comparing a building against a set of standards. If improvements are made to any of the 99 good practice measures then the score for the building will increase. The nearer to the 100% score, the lower the environmental impact of the building. According to James Bailey, Energy Manager of Atos UK: "By scoring a building at two different dates (typically two to three years apart) we can see if the score has improved or not. With new buildings, we insist that these are constructed and fitted to high standards so that they initially achieve a high score. Re-scoring the building every two or three years ensures that the original standards of the building are maintained. If new standards are developed and agreed, compliance with these can be tracked." Atos UK is currently refining the model. The aim is to simplify the best practice measures to be covered so that they are more easily measurable and more identifiable as Atos standards.



Atos' site at Beeston in Nottingham, UK.

"A built structure often has a life of more than 100 years. This means business decisions made during the planning and design phase have a long life and the environmental impact of decisions made during the planning, design and operation are vitally important to sustainability."

James Bailey, CEnv IEng MEI, Energy Manager, Atos UK



Towards a new generation of sustainable datacenters

Through its Ambition Zero Carbon program Atos aims to take action to reduce carbon emissions as part of its global corporate strategy through measurement, reduction, reporting and using offsetting tools and decarbonized energy sources. This program is expected to reduce the carbon footprint of Atos by 50% by 2015 (2012 baseline).

Atos continued to focus its efforts during 2013 on the transition towards operating the most energy efficient datacenters.

Twelve datacenters were closed in 2013 for reasons of size, capacity and because they were not energy efficient. Four new and more efficient datacenters were opened. Among the new datacenters is a second eco-efficient site in Helsinki, Finland which uses seawater for cooling and reuses energy generated by the datacenter to warm local households. Over the next three years (2014-2016), Atos envisages further consolidation of its datacenters by closing 23 sites. In 2013, industry analysts Gartner ranked Atos in the Leadership quadrant, and cited the successful datacenter consolidation program as a strong rationale for this positioning.

A powerful energy-saving side effect of the consolidation is that migrations provide an excellent opportunity to renew customers' IT landscapes by moving to Cloud solutions, virtualization, using more energy efficient hardware and other optimizations.

As a result of this, the datacenter migrations in 2013 led to an average reduction of 30% in energy consumption by the hosted IT equipment involved.

In 22 of its major datacenters, Atos conducted its program to optimize Power Utilization Effectiveness (PUE). The reduction of PUE in 2013 in these datacenters was close to 1.70 - which was much higher than Atos' target of reducing PUE from 1.75 to 1.72.

Atos will add a third dimension to its global strategy to reduce its carbon emissions from datacenter activities in the form of its new Data Center Infrastructure Management tool. This will be rolled out in selected Atos datacenters in 2014, leading the industry towards truly sustainable datacenter management.

Towards Ambition Zero Carbon

Another lever in Atos' bid to reduce its carbon footprint is its ability to deliver carbon-neutral hosting services to all its customers by offsetting all of Atos' greenhouse gas emissions from its datacenters. Through its offsetting program, Atos funds a wind power farm project in India in partnership with EcoAct, an organization dedicated to combating climate change.

In 2013, Atos concluded a three-year partnership with EcoAct to define and develop the environmental strategy of the group, particularly in the context of the Atos Ambition Zero Carbon program. Atos has set a target to supply 100% of its main datacenters with carbon-free energy by the end of the three-year plan. In 2013, the annual review of supply contracts due to expire soon measured the feasibility of a shift towards a low-carbon energy. In countries such as France, Germany and the United Kingdom, Atos is now supplied with carbon-free energy.

Leading by example, some countries such as the Netherlands use biomass to source energy for all their sites.

These efforts, led by the local procurement teams, reflect the efforts by employees' engagement in the objective of reducing Atos' carbon footprint as part of their daily work. These initiatives will also benefit our clients who can limit the impacts on the environment from operations carried out by, or jointly with, Atos.

30%

In 2013, the datacenter transformation program led to an average reduction of up to 30% of energy savings

4

new energy efficient datacenters

1.7

the average Power Utilization Effectiveness in the strategic datacenters

Optimizing our operations through carbon efficient tools

FOCUS ON ACTIONS TO REDUCE ATOS CARBON FOOTPRINT

Datacenter Infrastructure Management

As part of the Atos-Siemens alliance, a new Data Center Infrastructure Management (DCIM) solution was further developed in 2013 to provide real-time monitoring of datacenter energy consumption at a very detailed level.

The Data Center Infrastructure Management (DCIM) tool is a combined project that has been developed by Atos and Siemens since October 2011 at an Atos datacenter in Utrecht, the Netherlands. After two years of development and testing, the solution provides an integrated view of the entire datacenter in the following critical areas:

- ▶ Monitoring real-time data
- ▶ Reporting on standard Key Performance Indicators
- ▶ Identifying optimizations for the datacenter, including energy usage optimizations

- ▶ Providing a holistic overview for facility assets as well as IT assets
 - ▶ Improving the control of the datacenter.
- The primary strengths of this tool are to optimize and reduce energy consumption in datacenters. In addition, a Product Lifecycle Management module has been implemented which provides strong analysis and simulation options for improved datacenter floor and rack utilization. The DCIM solution will also enable Atos customers to gain operational cost savings, improve their carbon footprint and reduce the risk of downtimes within their own datacenters. Atos will begin the roll-out of the DCIM solution in European datacenters in 2014.

Pioneering carbon management

Since 2010, Atos has offset all greenhouse gas emissions generated by the energy consumption of its datacenters through the purchase of carbon credits generated by a wind farm project in India. The project comprises 67 wind turbine generators installed in two Indian states (Karnataka, Gujarat). Energy generated from the project supplies renewable energy to the North-Eastern regional grid and the Southern grid of India. This project provides 217,000 households in rural areas with electricity, and brings numerous social, economic and significant environmental benefits for local communities. Validated by the international

standard VCS, this project, selected in 2013 provides annual production of more than 115,000 MWh of renewable electricity, reducing nearly 90,000 TCO₂ eq each year. The choice of this project meant that Atos was able to take concrete action to promote renewable energy in a country where the company already has several sites and nearly 10,000 employees. This initiative enables Atos to offset the carbon emissions of its datacenters - evaluated at 81,373 TCO₂ eq in 2013 - therefore contributing to 90% of the total project in India that saves 90,000 TCO₂ eq in total.

The new sustainable datacenter at Longbridge, UK

In the UK Atos is constructing a new super green datacenter in Longbridge, near Birmingham, with a spectacularly low Power Utilization Effectiveness of 1.15. This is achieved by indirect free air cooling and the site is expected to be in operation from 2015.



Artist impression of the new Longbridge UK datacenter - courtesy ICTroom.