Targets towards a zero-carbon future

We are following the guidelines of the COP 21 Paris Agreement and the Science-Based Targets initiative because we know it is both the right thing to do to combat climate change and that it gives us a competitive advantage in the market. The expectations of clients and shareholders in this area are rapidly changing and we plan to stay ahead of the curve.

We have two primary targets: firstly, to halve our emissions between 2019 and 2025 to contribute to maintaining global warming around 1.5°C, and secondly – aligned with scientists' thoughts on what is needed to achieve the Paris Agreement ambition – to reach net-zero emissions as soon as possible. And we have committed to reaching that by 2028.

We want to reduce our climate-related risks and seize climate-related opportunities. Seizing opportunities means offering our clients new solutions: 'Green IT' solutions which have the smallest possible impact on the climate and 'IT for Green' solutions to help them achieve their sustainability ambitions. Digital has the potential to be part of the solution to climate change. Surveys show that new digital solutions can remove ten times the emissions they produce and the energy they consume.

Leading the way in carbon reduction

Our action plans detail how we plan to reduce the emissions under our control, which is what we call the Atos operational scope. We aim to halve the emissions related to the energy consumed by our supercomputers, data centers, and offices. Our shift towards low carbon and renewable energy sources will be one of our most impactful actions. We are also boosting our green mobility by shifting to hybrid and electric cars, enforcing better travel discipline, and continuing to enhance our remote collaboration tools.

Meanwhile, we will reduce the energy consumption of the products and solutions we sell to our clients, using best green IT practices, green lifecycle assessments, eco-design, and following eco-guidelines. We have R&D investments dedicated to energy and emissions and we have adopted circular economy principles.

For emissions not under our operational scope but that are under our influence, Atos is working with its suppliers to reduce the emissions embedded into the products, goods and services we buy. We have implemented CO_2 criteria in our calls for tender and have ratings to classify our suppliers. Together these actions will encourage green suppliers which is vital since upstream emissions account for around 70% of our total.

In 2020 we reduced our total carbon emissions (full SBT scopes 1,2,3) by 15% from 2019. Our ambitious shift toward renewable energy for emissions under our control is playing a huge part in our success. And when we look at the potential reduction in the coming years, we know that we are on target to meet or even, we hope, exceed our 2025 target.

Interview with Benjamin Bergeron, Head of Atos Global Environmental Program

"Digital has the potential to be part of the solution to climate change."

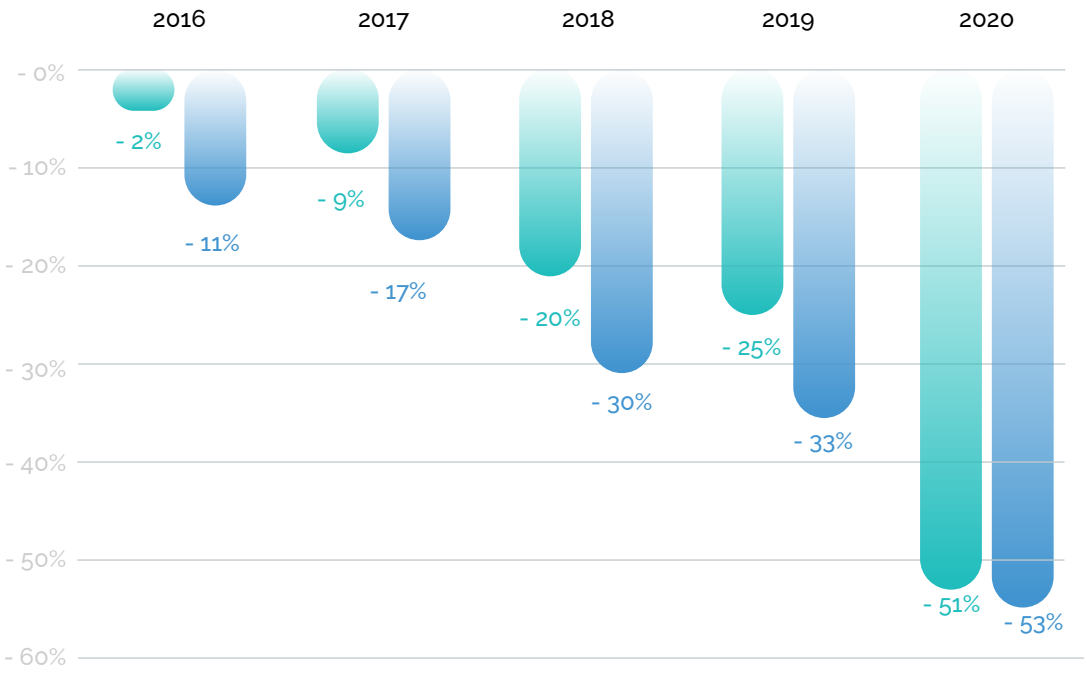
Benjamin Bergeron

Latest developments in our carbon reduction journey

Atos has set high standards for its industry for ambitious net-zero targets and has committed to being net-zero by 2028. Our strategy for carbon reduction covers four primary areas: carbon emissions, energy, travel, and the impact of our digital solutions.

Between 2012 and 2019, we reduced the emissions from our carbon operational perimeter by around -50% both in intensity and absolute terms. In 2020, we moved our 2°C carbon reduction target to the most demanding 1.5°C Science Based Targets and committed to halve our overall carbon emissions by 2025 (2019 baseline) which is five years ahead of the Science Based Targets initiative request.

2015/2020 - CO_2e cumulative reductions in **intensity** and **absolute**



To find out more visit the 2020 Universal Registration Document section 5.2 Environment

Carbon offsetting

In 2020, Atos offset 100% of its carbon operational perimeter (emissions from data centers, offices, homeworking, waste, commuting and business travel). As Atos digital services and hosting services are carbon-compensated worldwide, our clients can report zero (0) CO_2e emissions in relation to their solutions hosted in our data centers. The Atos offsetting program is carried out through wind farm projects which generate clean electricity and through forest protection projects which enable nature-based removal or carbon capture to counterbalance carbon emissions.

Introducing internal carbon pricing
In 2020, Atos became one of the first companies in its industry to establish an internal carbon pricing mechanism. The aim is to attach a value to tCO_2 emission reduction that will impact the operating margin results used in the bonus payout calculation. The three factors considered in the Internal Carbon Pricing calculations are emissions related to travel, devices and data center activities, supporting spend with green suppliers as well as our decarbonization offerings delivered to our clients.

Atos employees' drive for net-zero
The Atos Green App is aiding our employees to monitor our environmental progress towards our targets and to actively contribute to this progress. The app increases decarbonization awareness by allowing users to measure their carbon impact resulting from their use of email, portable devices, web sites, and travel.

Atos Green Network
One of our most active employee-led communities, the Atos Green Network, encourages greener practices. It supports projects such as abandoning plastic for all purchases and promotional products, publishes dedicated newsletters and organizes environmental awareness webinars on topics such as World Ocean Day, Earth Day and Climate Change awareness.

EcoAct joins Atos
The central mission of EcoAct, which Atos acquired in 2020, is to promote, support and contribute to urgent action to tackle climate change and protect our planet. In 2020, EcoAct launched "A to Zero", a transformational guide for companies to establish their pathway to a net-zero future by addressing their response to reducing GHG emissions and the impact they have on the environment.

Interview with Nourdine Bihmane, Head of Growing Markets, Decarbonization and Marketing, Atos

"The integration of EcoAct reinforces Atos's position as the leader in decarbonized digital business technology."

Nourdine Bihmane

Atos Scaler supports Atos decarbonization portfolio

More than 50% of the members of Atos Scaler 2020, a new program launched in 2020 to bring the best cutting-edge innovative startups into the Atos ecosystem, are already enriching Atos's decarbonization portfolio.

One of the program's criteria is to contribute to a decarbonized digital world. With DreamQuark we have jointly developed a solution to help wealth managers identify investors most likely to select sustainable investments and to create hyper personalized recommendations to increase ESG-driven revenues.

The B2B software solution from Plan A helps businesses calculate, monitor, reduce and offset their carbon footprint while creating proprietary sustainability action plans. GreenSpector, combined with EcoAct, delivers low carbon strategy and an environmentally sustainable design to our clients. Sentient Science completes our portfolio for utilities with predictive maintenance solutions for wind farms. And Tier1, with central solutions for data wiping and recycling, brings a strong sustainable asset to our digital workplace solutions.

Quantum technologies for CO_2 capture

In July 2020, Atos announced a multi-year partnership with multinational energy company Total to explore the potential of quantum technologies to lead to a decarbonized, energy -efficient future. Leveraging Atos's unique Center for Excellence in Performance Programming and Quantum R&D Program, this partnership aims to use quantum calculation to identify new materials and molecules that will accelerate society's journey to carbon neutrality.

Atos and HDF Energy to develop the first green hydrogen data center

Atos and HDF Energy will develop a complete solution to power datacenters using so-called green hydrogen generated by renewable energy. The aim is to demonstrate a first full production center operated using electricity produced from green hydrogen in 2023.

Atos will deliver an end-to-end green datacenter solution by designing and providing the hardware, software and integration services. This includes using the most advanced artificial intelligence technologies to optimize energy consumption. HDF Energy will supply a power plant, generating electricity from high-powered fuel cells. These cells will be powered by green hydrogen produced from photovoltaic panels or wind farms.

This new solution will enable datacenter and cloud operators to offer a sustainable and reliable solution to their customers.

Leading the supercomputing pack

In 2020 we introduced JUWELS, the most energy-efficient supercomputer in its class worldwide, ranking in first place for energy-efficiency on the TOP100 list, thanks to our patented DLC (Direct Liquid Cooling) solution, which minimizes global energy consumption by using warm water up to 40°C.

JUWELS ranks alongside 30 other Atos supercomputers in the Green500, underlining our commitment to support our clients in their decarbonization objectives.

JUWELS will be used in research related to the climate, the environment, sustainable energy management and the properties of materials or brain research.

Atos now has 31 supercomputers in the TOP500, with a combined peak performance of 251 petaflops. Thanks to a steady stream of green innovations, each new generation of supercomputers is more energy-efficient than the previous one.