



Press release

Atos unveils the Top 30 energy consumption of the world's most popular mobile applications in partnership with startup Greenspector

Paris, May 15, 2019 – Looking ahead to VivaTech 2019, Atos unveils the Top 30 energy consumption of the world's most popular mobile applications in a study conducted by startup Greenspector. Increasingly demanding in terms of technical resources (RAM, CPU, Data, etc.), mobile applications used by 5 billion mobile users worldwide have a booming impact on energy consumption and the environment.

Mobile applications consume as much energy as Ireland

While datacenters are often blamed for the greenhouse gas emissions of the digital sector (which will account for nearly 10% of global emissions by 2025), mobile applications are not to be outdone, as shown in the study conducted by Greenspector for Atos: **the projected annual consumption of mobile applications (excluding the use of datacenters' networks and servers) is equivalent to 20 terawatt hours, almost the equivalent of the annual electricity consumption of a country like Ireland (5 million inhabitants).**

Social network applications consume up to 4 times more energy

Mails, messages, social networks, browsers, etc., 7 categories each comprising 5 applications were measured under identical conditions. Among these categories, **web browsing and social networks use on average more energy than games or multimedia applications.** The ratio would even be 1 to 4 between the consumption of applications between the least and most energy-intensive.

Gain up to a third of autonomy on mobile phones

Making mobile applications simpler could quickly have very positive consequences on ecological impacts. If the average app was based on the best-ranking app in its category, energy consumption could be reduced by 6TWh, the equivalent of a nuclear unit. **At the user level, better energy consumption of applications would increase the autonomy of smartphones by a third.**

A unique partnership between Atos and Greenspector to reduce smartphone energy consumption

Working together on the eco-design of software solutions, Atos and Greenspector are partnering, with the publication of this report, to take into account the environmental impact from the very beginning of the creation process of mobile applications. Today they present **the first tool accessible in the cloud to measure the energy consumption of applications, websites and soon IoT.**

*"With this partnership, Atos has an industrial solution that integrates a measurement system into its design platform to reduce the energy resources used, while offering improved performance and response times for the end user," explains **Steve Péguet, Atos France Innovation Director.***

"Smartphone consumption (including the usage phase and the manufacturing phase) represents 11% of digital energy consumption according to the Shiftproject.

*We often blame our smartphones for not being autonomous enough, but it is the applications installed on the smartphone that consume and degrade its battery capacity over time," says **Thierry Leboucq, president of Greenspector.***

To raise awareness of eco-responsibility amongst digital players **Atos and Greenspector are present at VivaTech** to demonstrate their measuring devices and in particular the Auxylium solution - **Atos Stand n°D39-008 (Hall 1).**

Two roundtables with the presentation of [a comparative study](#) of the energy consumption of the 30 most used applications in the world will be held on Thursday 16 May at 13:50 and Friday 17 May at 11:00.

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About Atos

Atos is a global leader in digital transformation with over 110,000 employees in 73 countries and annual revenue of over € 11 billion. European number one in Cloud, Cybersecurity and High-Performance Computing, the Group provides end-to-end Orchestrated Hybrid Cloud, Big Data, Business Applications and Digital Workplace solutions. The group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and operates under the brands Atos, Atos Syntel, and Unify. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information technology space. Its expertise and services support the development of knowledge, education as well as multicultural and pluralistic approaches to research that contribute to scientific and technological excellence. Across the world, the group enables its customers, employees and collaborators, and members of societies at large to live, work and develop sustainably and confidently in the information technology space.

About Greenspector

Specialists in the eco-design of software, the Nantes-based startup helps digital teams design energy-efficient mobile and web sites and applications while improving their performance. Its solution measures and detects energy consumption "hot spots" in the main uses of the application, in order to help companies improve their resource performance and, more generally, to promote more efficient and responsible IT, at a time when the environmental impact of digital technology is becoming increasingly severe. The Greenspector suite is the only control solution dedicated to the efficiency and performance of mobile applications and connected objects. It is used by the Defense, the Gendarmerie, the Post Office, Banque Arkéa Crédit Mutuel, SNCF, Orange, Pagesjaunes, etc.