



Atos, Dassault Systèmes, Groupe Renault, STMicroelectronics and Thales join forces to create the ‘Software République’: a new open ecosystem for intelligent and sustainable mobility

- **Five leaders in their domains have laid the foundations for this new open innovation ecosystem**
- **European sovereignty and new value propositions are at stake**
- **This ecosystem will welcome new members and develop open collaborations**
- **With complementary technology, two first proposals presented**

Boulogne, April 09, 2021 – Elie Girard, Bernard Charlès, Luca de Meo, Jean-Marc Chery and Patrice Caine, respectively the chief executives of Atos, Dassault Systèmes, Groupe Renault, STMicroelectronics and Thales today announced their intention to join forces to create the [Software République](#), a new ecosystem for innovation in intelligent mobility. By pooling their complementary expertise, the partners plan to develop and market together systems and software to provide an enriched and sustainable mobility offer for cities, regions, businesses and citizens.

Artificial intelligence, cybersecurity, connectivity, embedded electronics, and virtual twin technology will contribute to the excellence of these new products and services. This open innovation ecosystem, founded by five leaders in the automotive and technology fields, will welcome new members and develop open collaborations.

A matter of sovereignty

Mobility is changing and offering new opportunities. According to the Boston Consulting Group, the global mobility market will grow by 60% by 2035 to reach 11,000 billion euros. This growth is mainly driven by the emergence of technological disruptions - electric vehicles, new components, new after-sales services and other value-added services - whose share will increase from 5% to 45% of the global mobility market¹. Major industrial players on other continents, with state support, are already positioning themselves to develop many of these new technologies through enhanced integration strategies. Today, the founding members of the Software République express the urgency for France and Europe to collectively build a sustainable ecosystem that aims to ensure their sovereignty in this field.

Three main areas of cooperation

To jointly develop and market intelligent mobility systems, enabling the implementation of an adapted and agile mobility offer, three main areas of cooperation have been identified:

- Intelligent systems to facilitate secure connectivity between the vehicle and its digital and physical environment.
- Simulation and data management systems to optimize flows for territories and companies.
- Energy ecosystem to simplify the charging experience.

For example, the following topics are being discussed by the Software République partners:

Plug and Charge

The development of new technologies and services to allow an electric car, connected to a compatible charging point, to be automatically recognized, and to perform a charge without any action by the user.

Optimizing mobility flows for territories

To facilitate access to and simulation of mobility information exchanges, instantaneously and openly across cities and regions to enable:

- Consumers to always select the best means of mobility according to time, comfort or energy management.
- Operators to enrich their services.
- Public authorities to simulate and implement mobility scenarios, such as emergency management, events, etc.
- Urban planners to better anticipate land use planning.

To foster innovation, the Software République will also seek to create an investment fund to finance the most promising start-ups and an incubator to host start-ups in the field of smart mobility technologies, where they will have access to a collaborative virtual development and experimentation environment, and mentoring through a value network. For the launch of the ecosystem for start-ups and universities, the partners of the Software République plan to organize a data challenge to contribute to the development of the technologies for the mobility of tomorrow: electric, connected and autonomous.

Elie Girard, Chief Executive Officer, Atos

"Atos is proud to be one of the founding members of the Software République. As a technology creator and integrator of complex solutions, we will make available to this unique ecosystem our digital expertise in reducing the carbon footprint and our innovative technologies in key areas such as artificial intelligence, digital security, cloud, IoT or high-performance computing. Combining the strengths of five of the world's leading automotive and technology players, this initiative promises to accelerate the decarbonization of mobility."

Bernard Charlès, Vice-Chairman and Chief Executive Officer of Dassault Systèmes

"Far beyond the automotive sector, it is a question of thinking in terms of use - mobility offering a work and leisure environment that is part of a sustainable economy. This experience economy goes hand in hand with an Industry Renaissance worldwide: the new mobility economy will be organised into new, collaborative value networks based on digital platforms. The Software République is thus a multi-industry and multidisciplinary ecosystem that aims to accelerate innovation and grow the driving forces of tomorrow. To achieve this, it will rely on the collaborative virtual environment provided by Dassault Systèmes' 3DEXPERIENCE platform and on virtual twin experiences. It will also benefit from the 3DEXPERIENCE Lab start-up accelerator."

Luca de Meo, Chief Executive Officer of Groupe Renault

"In the new mobility value chain, on-board intelligence systems are the new driving force, where all research and investment are now concentrated. Faced with this technological challenge, we are choosing to play collectively and openly. There will be no centre of gravity, the value of each will be multiplied by others. The combined expertise in cybersecurity, microelectronics, energy and data management will enable us to develop unique, cutting-edge solutions for low-carbon, shared, and responsible mobility, made in Europe."

Jean-Marc Chery, President and Chief Executive Officer, STMicroelectronics

"STMicroelectronics has joined the Software République to bring its innovative semiconductor products and solutions for electrification and digitalization of vehicles and mobility services. Our know-how is an enabler of the ongoing transformation towards more efficient solutions, in line with the expectation of stakeholders in terms of environmental impact. The partnership at the heart of this project will also help strengthen the links across the entire value chain, a key aspect during this phase of the transformation of this industry."

Patrice Caine, Chairman and Chief Executive Officer, Thales

"The Software République brings a joint and disruptive momentum, essential to the mobility ecosystem. Based on a proven experience in digital security in very demanding markets such as transport, banking, defence or aerospace, Thales will share its expertise in artificial intelligence, cybersecurity and connectivity, to strengthen the protection of vehicles, their data and those involved in mobility."

As part of its sustainable vocation, the Software République will be based in Guyancourt at the Renault Technocentre in a building called Odyssee, a 12,000 m² space which is modern and eco-responsible. Its interior and exterior structure is 100% wood, with one tonne of CO₂ saved per square metre built in comparison to a standard building, and the 1,000 m² roof of the building is covered with photovoltaic panels.

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About Atos

Atos is a global leader in digital transformation with 105,000 employees and annual revenue of over € 11 billion. European number one in cybersecurity, cloud and high performance computing, the Group provides tailored end-to-end solutions for all industries in 71 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos operates under the brands Atos and Atos|Syntel. 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 space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space. www.atos.net

About Dassault Systèmes

Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative 3D virtual environments to imagine sustainable innovations. By creating virtual experience twins of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production. Dassault Systèmes brings value to more than 290,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com

About Groupe Renault

Groupe Renault is at the forefront of a mobility that is reinventing itself. Strengthened by its alliance with Nissan and Mitsubishi Motors, and its unique expertise in electrification, Groupe Renault comprises 5 complementary brands - Renault, Dacia, LADA, Alpine and Mobilize - offering sustainable and innovative mobility solutions to its customers. Established in more than 130 countries, it currently employs more than 180,000 people and has sold 2,9 million vehicles in 2020.

Ready to pursue challenges both on the road and in competition, Groupe Renault is committed to an ambitious transformation that will generate value. This is centred on the development of new technologies and services, and a new range of even more competitive, balanced and electrified vehicles. In line with environmental challenges, the Group's ambition is to achieve carbon neutrality in Europe by 2050. www.group.renault.com

About STMicroelectronics

At ST, we are 46,000 creators and makers of semiconductor technologies mastering the semiconductor supply chain with state-of-the-art manufacturing facilities. An independent device manufacturer, we work with more than 100,000 customers and thousands of partners to design and build products, solutions, and ecosystems that address their challenges and opportunities, and the need to support a more sustainable world. Our technologies enable smarter mobility, more efficient power and energy management, and the wide-scale deployment of the Internet of Things and 5G technology. Further information can be found at www.st.com.

About Thales

Thales (Euronext Paris: HO) is a global leader in advanced technologies, investing in digital and “deep tech” innovations – connectivity, big data, artificial intelligence, cybersecurity and quantum computing – to build a confident future crucial for the development of our societies. The Group provides its customers – businesses, organisations and governments – in the defense, aeronautics, space, transport, and digital identity and security domains with solutions, services and products that help them fulfil their critical role, consideration for the individual being the driving force behind all decisions. Thales has 81,000 employees in 68 countries. In 2020 the Group generated sales of €17 billion. www.thalesgroup.com

ⁱ Source: *Osons créer une «Automobile Valley» à la française*, Les Echos, August 20, 2020
Vanessa Lyon, Senior Associate Director, and Szymon Walus, Director, Boston Consulting Group & [By 2035, New Mobility Tech Will Drive 40% of Auto Industry Profits](#)