



Press release

SystemX, The Blockchain XDEV, Groupe PSA, Mobivia, Groupe Matmut, Crédit Agricole Assurances and Groupe IMA are experimenting with a certified data blockchain platform for the entire automotive sector.

This far-reaching initiative is aimed at providing a standardised and sovereign architecture based on Blockchain technology so as to favour the economic development of the automotive industry through the sharing and monetization of vehicle data, while complying with the General Data Protection Regulation (GDPR).

A call is being made to all the stakeholders in the automobile sector (manufacturers, equipment makers, maintenance and repair networks, insurers, banks, institutions, etc.) to join in this unprecedented innovation initiative in Europe.

A white paper describing this collaborative approach is [available for download](#).

Palaiseau, 1 October 2020 – Under a joint project led by IRT SystemX and The Blockchain XDEV, PSA Group, Mobivia, Groupe Matmut, Crédit Agricole Assurances and Groupe IMA (Inter Mutuelles Assistance) are developing a certified data platform, based on blockchain technology. Goals: to ensure the traceability and certification of the connected vehicles data throughout its life cycle and introduce a new paradigm of competition around the sharing and monetization of vehicle data.

This decentralized and disintermediated platform aims to lay the foundations for a sovereign reference architecture that would serve the entire automotive industry. Thanks to its collaborative governance, open to all industrial stakeholders and public authorities, this solution offers a unique and valuable proposition on the European market.

This multi-stakeholder initiative stems from the emerging situation, in which vehicle data is becoming increasingly critical for developing the automotive sector:

- The connected vehicle is becoming more complex and generating more and more data (updates, maintenance, automation, uses, etc.) ;
- This data is partially of a private nature and must be managed in accordance with the EU General Data Protection Regulation (Protection, authorization, traceability and portability) ;
- All stakeholders need to share this data without being deprived of it, in a certified and disintermediated way, so as to enable free competition.

With this unprecedented platform, all industry stakeholders will benefit from a decentralized solution compatible with the GDPR. This will allow them to manage their data in terms of access rights, security, consent to sharing, and portability to third parties (in the event of the resale of the vehicle, for example) and industry stakeholders (manufacturer, networks for maintenance or repair, insurer, etc.).. Certified data sharing mechanisms, compliant with confidentiality issues, will allow smooth and secure exchanges, thus promoting reliable and tamper-proof administrative monitoring of vehicles. This initiative will also allow the development of a new economy of data valuation through personalised services: precise calculation of the residual value of the vehicle, predictive maintenance, insurance services, etc.

This joint project, which began in June 2020 and is slated to be completed by early 2021, will demonstrate, through the development and experimentation of a Minimum Viable Product (MVP), the strategic interest of such a platform for the entire automotive industry. With this in view, the consortium is calling on all stakeholders interested in this structuring approach to join them.



This initiative has been accompanied by publication of a White Paper headed “Plateforme de Données Certifiées du Véhicule” (Certified vehicle data platform) describing the market environment, the platform’s aims, its business model, its architecture and the roadmap. This white paper can be [downloaded here](#).

“This collaborative approach to the issues at stake in the area of sharing vehicle data is unprecedented in Europe and Blockchain XDEV is very proud to have contributed to creating this consortium and to have overseen the drafting of the white paper for all its partners. This new development phase highlights the work already accomplished and the goal shared by all the partners of developing a standard technical architecture based on Blockchain technology”, explained The Blockchain Xdev CEO, Charles Kremer.

“This project is very ambitious as it lays the foundations for a sovereign reference architecture for the automotive industry. In the context of the Blockchain for Smart Transaction (BST) project, we have already been able to test the advantages of Blockchain for the traceability of the vehicle life cycle data. We are delighted to help conduct, alongside The Blockchain Xdev, the work of this consortium and help to lift the technical and business obstacles to data certification, sharing and monetisation”, explained Abdelkrim Doufene, Director of Strategy and Programmes at IRT SystemX.

About IRT SystemX

SystemX is a technological research institute (IRT) specialised in the areas of analysis, modelling, simulation and decision support applied to complex systems. It is the only IRT fully dedicated to digital systems engineering, by coordinating partnered research projects and bringing together academics and industry players from a multi-sector perspective. Together, they all work to overcome major scientific and technological obstacles from four priority application sectors: Mobility and Autonomous Transport, Industry of the Future, Defence and Security, Environment and Sustainable Development. Through “use case”-oriented projects, SystemX engineers and researchers tackle the major societal and technological challenges of our time, thereby contributing to the acceleration of the digital transformation of industries, services and territories. From its bases at the plateau of Paris-Saclay, Lyon and Singapore, SystemX has already launched 53 research projects (including 29 which are ongoing) since its creation in 2012, involving more than 100 industrial partners and 55 academic laboratories, with a current total of 197 full time equivalents (FTE), including 134 from its own resources. More information at www.irt-systemx.fr/

About The Blockchain XDEV

With bases in Paris and Lyon, The Blockchain Xdev helps businesses with integration of blockchain technology at all stages of the integration process, from advice upstream of the project to putting into production the blockchain applications for its clients.

The Blockchain Xdev is a joint venture between IRT SystemX and The Blockchain Group, created in January 2019 in the context of the strategic partnership entered into by the two groups in 2018 with the aim of accelerating the transfer of innovation and blockchain technology within businesses.

The Blockchain Xdev thus becomes a relay for the industrialization of technological bricks from SystemX R & D projects. The entity is licensed to use SystemX’s blockchain-oriented assets to support the design, integration and supervision of Blockchain solutions within its customers’ IT infrastructure.

Through this new collaboration, SystemX and The Blockchain Group will share the common goal of completing the blockchain landscape by bringing out a reference player in charge of supporting the industry in the adoption and use of this technology in their business lines.

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