

cardossier

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Blockchain for the Automotive Industry

cardossier maps information on the life cycle of a vehicle on a blockchain in a traceable and secure manner. This enables a reliable and transparent data exchange and the efficient and secure execution of processes involving various stakeholders. The cardossier platform is developed and operated by renowned Swiss companies, universities and authorities.

cardossier results from the Innosuisse research project «Blockchain Car Dossier» that was launched in 2017 by AdNovum in cooperation with the University of Zurich, the Lucerne School of Information Technology, the industry partners AMAG, AXA and Mobility as well as the Aargau Road Traffic Authority. Renowned Swiss companies, universities and government agencies joined forces in a non-profit association in early March 2019 to manage cardossier.

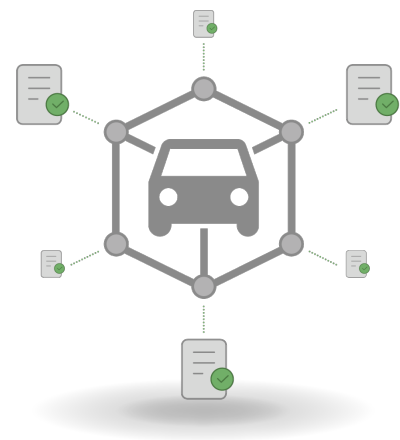
The association was founded based on a public-private initiative with the aim of establishing cardossier as the Swiss standard for data exchange and the execution of processes involving various stakeholders in the automotive industry. The platform is open, non-profit-oriented and operated jointly by all parties involved. It thus acts as a catalyst for the digitization of processes in the automotive industry.

Ecosystem-oriented approach

The information from cardossier is provided and used by multiple stakeholders. This includes, for example, car manufacturers, parts suppliers, insurance companies, importers, garages, used-car dealers and portals, vehicle evaluators, road traffic authorities, fleet managers, private buyers, sellers and renters, car rental companies and car recyclers. cardossier uses a permissioned blockchain with a community approach in combination with smart contracts. This makes it possible to establish the necessary trust among the different stakeholders through transparency, immutability and decentralized operation. Members of cardossier can develop and offer services on the platform as so-called «Distributed Apps» (Dapps). The result is an ecosystem consisting of countless new business models for cardossier partners and their customers.

Scientific support

The University of Zurich will continue to act as research partner of the cardossier association, striving to advance innovative ideas as well as to co-design and test new concepts and thus to pioneer the further developments. The Lucerne School of Information Technology also remains a member and research partner of the association, focusing on privacy matters. In addition, they are active in the privacy committee of the association.



Founding members

AdNovum, AMAG, AMAG Leasing, Audatex, auto-i-dat, AutoScout24, AXA, Lucerne School of Information Technology, Mobility, PostFinance, University of Zurich, Schweizerischer Leasingverband, Aargau Road Traffic Authority

Governance

President: Dr. Martin Sprenger, Aargau Road Traffic Authority
Vice president: Matthias Loepfe, Head of innovation lab AdNovum Incubator

The board consists of 13 representatives of the association's members. Compliance with data protection regulations is ensured by a privacy committee. In terms of governance, we are following the political system of Switzerland with direct democracy and federalism.

Secure by design

In order to enable efficient cooperation between the players in the used-car industry, information on the life cycle of a vehicle must be stored centrally. By doing so, the data is also made available to unknown parties with specific needs and interests. Therefore, secure sharing and storing of the data is key. By using blockchain technology, cardossier enables transparency, immutability of data and decentralized operation, thus establishing the necessary trust among the parties involved. cardossier provides the highest level of security and supports compliance with regulations and data protection guidelines.

Go-live

Following the foundation, the association will continue to extend both the cardossier platform and the community. To this purpose, the association will build a test ecosystem in which all members can implement and test their use cases. For use cases involving several participants of the ecosystem, such as the digital vehicle registration document, working groups will be built. At the same time, the productive platform for the go-live in 2020 is being prepared.

Contact

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If interested in membership



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