



In Madrid it will also be possible to pay for public transport with Blockchain

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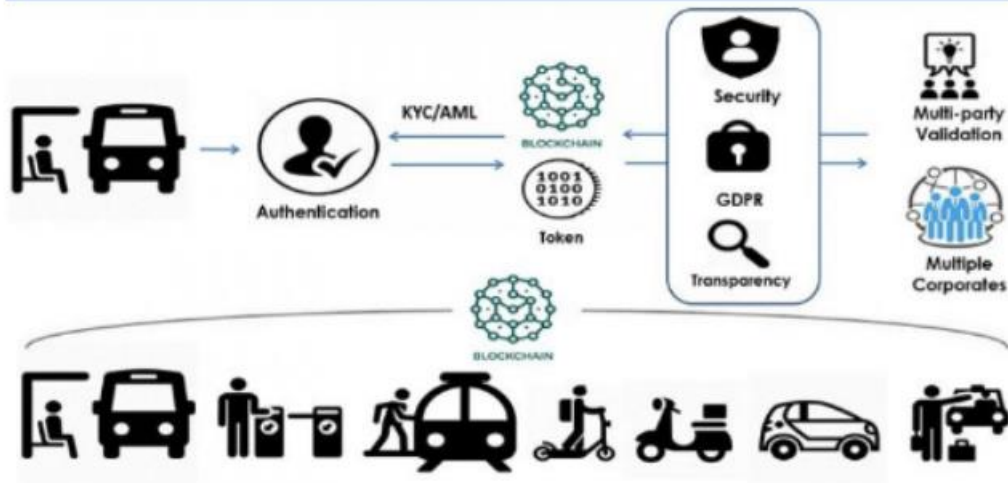
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The [Madrid](#) city council has reported a new project underway between the [Santander](#) Group and a startup called Vottun to make it possible for municipal public transport users to have a single payment integrated with [Blockchain](#) technology supported by the Vottun platform.

The objective is to create an application that unites onboarding and payment of all mobility applications through blockchain technology, thus facilitating access to payment when citizens use different types of transport. Through a mobile application (APP) of the Municipal Transport Company of Madrid (EMT), the payment can be registered by the Spanish bank thus unifying access and payment in an immutable and transparent way.

La solución de Vottun - blockchain credential system



The proposal is called Madrid in Motion and is an initiative of Barrabés.biz that forms the first mobility ecosystem promoted by Public Administrations and private companies in the Spanish capital, a city that has more than thirty companies providing mobility services and a Wide range of modes of [transport](#) .

Luis Carbajo, CEO of the winning startup among 300 proposals from 53 countries, said in this regard that “the user registration and validation system will be unique in all mobility services in Madrid since the EMT APP. This will facilitate the use of any mobility service to the citizen, and the payment in a simple and transparent way”.

During the presentation of the Vottun proposal, attendees were able to verify the first real tests of the products in development, such as facial recognition by biometric identification for payments on the buses of the EMT, [Mastercard](#) and Saffe (UK), so that municipal representatives commented that it is the obligation of the Administration to help these projects move forward to make life easier for all Madrid residents.

The collaboration between Banco Santander and Vottun responds to the challenge of payments and tokenization for mobility, as a service. The solution for now will be applied to all operators integrated in the MaaS Madrid app of the EMT in the Spanish capital, which groups a variety of companies for bicycle rental, car sharing, electric vehicle charging, motorcycle rental, scooters and to the Madrid Metro, the two bus companies in the city and four groups of taxi drivers in the capital.

This initiative is not the only one in which the public transport administration of Madrid has been working to improve mobility and facilitate transport in the municipality. In parallel, the EMT has been working with the Spanish startup Place to Plug to connect the charging points of electric vehicles in the city with a platform that allows real-time control and correction of the incidents that these points present.

Likewise, Chakratec, an Israeli startup, was chosen to work alongside Naturgy to increase mobility with renewable gas to achieve a 20% reduction in OPEX of Naturgy's natural gas service stations.

In this way Madrid joins a handful of cities where payment with digital currencies or through applications supported by blockchain technology is a reality for public transport services, in order to achieve better mobility where it is carried out These pilot projects. Examples such as the one in the city of Fortaleza, an important city in northeastern Brazil that has [indicated](#) starting to accept paying bus tickets by the end of 2019 with Bitcoin as a means of payment, are examples of the penetration of the chain technology. blocks in the transport sector.