WORLD URBAN FORUM
ELEVENTH SESSION

The economy of cooperation with the use of advanced technologies. An example of the use of BlockChain.

Tuesday, June 28, 2022 · 16:30-18:00
Multifunction Hall Room 11

Session agenda

1. Practical use case of BlockChain technology in Polish Cities

Dr Sebastian Grabowski
President of ArchitectsPL Foundation

2. Speech by a representative of the Union of Polish Metropolises on the legal norms linking BlockChain and Polish Cities
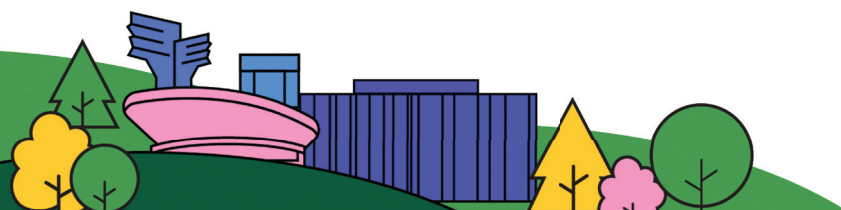
Sylwester Szczepaniak
Union of Polish Metropolises

3. Let's discover the potential of BlockChain technology in Cities, such as a panel discussion with representatives of

Union of Polish Metropolises, The Polish Chamber of Information Technology and Telecommunications, the Polish City (Warsaw, Kołobrzeg, Grudziądz), Enterprise of Ireland, Caruma

4. BlockChain in Poland - summary of the report prepared by the Polish Chamber of Information Technology and Telecommunications

Rafał Dziedzic
Blockchain Expert in The Polish Chamber of Information Technology and Telecommunications

Organizers

caruma.   ENTERPRISE IRELAND   ArchitectsPL   PIIT   UNIA METROPOLII POLSKICH IM. PAWŁA ADAMOWICZA

caruma.

The key to the city of the future.

Caruma

We provide services and apps built and developed on blockchain technology. We create our products based on the SkeyNetwork blockchain, which is a communication bus between the IoT clouds of different vendors, enabling them to connect and exchange data through blockchain, creating a Blockchain of Things.

The ecosystem of the city

Our activity is focused on services for the modern cities, especially building the entire ecosystem of the city using the sharing economy, security, and access control but on the other hand, the openness and accessibility of urban space.

We aim to implement blockchain technology in public use in Smart Cities and promote its usefulness, safety and versatility to solve the problems the cities face, like traffic, lack of parking places, air pollution, municipal waste, etc.

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Blockchain technology in public use

As a company, we are interested in expanding the cooperation with city authorities to create solutions for Smart Cities to solve their problems.

Our technology allows for intelligent management of entire intelligent cities, properly aggregating and using the information on energy, water, temperature, household appliances, TV, alarms, and cameras that generate a huge amount of data when connected to the Internet. And in practice?

Our projects

GRUDZIĄDZ

It has implemented and uses our access management system in public buildings as another city. Using the app, the municipal services not only provide rescue services with free movement in closed spaces. In this project, the use of the intelligent key has been extended, making it available to the city cleaning services, thanks to which garbage trucks collect waste in a much more efficient way.

KOŁOBRZEG

The implemented technology connects the gates in Kołobrzeg into one ecosystem managed by one application. One key for all gates, barriers and intercoms. Who is involved in the project? Twelve entities: three primary schools, the Municipal Plant of Greenery, Roads and Environmental Protection, Regional Cultural Center, City Hall, Municipal Sports and Recreation Center, Sea Port Authority and local services: ambulance, police and fire brigade.

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Our projects

RESCUE SERVICES IN OLSZTYN

A project where we tested our solution for emergency services in our city. Unique key for the lifeguards, which they could use to remotely open any barrier and gate they encountered on their way to the rescue operation. In the first phase, it was dedicated to one city's hospitals and other health care institutions. We are starting to expand this project to the entire Warmia and Mazury region of almost 1.4 million people.

WARSAW

The City of Warsaw is implementing a pilot project involving blockchain technology for the needs of public services in Warsaw, in line with the idea of a Human Smart City. The project improves the accessibility of public buildings for municipal services, emergency services or other authorised users, consisting of the remote opening of barriers or other barriers using a simple mobile application that integrates all devices using Blockchain technology.

OLSZTYN-MAZURY AIRPORT

Caruma is testing its solution for access control on the infrastructure of the airport Olsztyn-Mazury. It is pretty challenging to manage the entire logistics of the airport, but we are in the first stage - airport services use our app in the areas that are restricted access areas - parking places.

COPERNICOIN

We are concluding cooperation with the Warmian-Masurian Voivodeship to promote tourism by creating the COPERNICOIN mobile application as a loyalty program promoting the Copernicus Trail. The application will collect and transfer occasional tokens between users using the SkeyNetwork technical blockchain; it will be based on OpenSource libraries that enable logging in via blockchain accounts.