



Block Chain Access project

Beginning May 2016, ending *** July 2016

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The project

The *Block Chain Access* project is funded by [IRAP-CNRC](#) (Canadian National Research Council). This small feasibility study aims to explore how block chain technology applies to access management for physical spaces, and provide a proof of concept. We do that in the most unbiased and generic way, not bounded by any possible business model, not influenced by any institutional structure.

The larger context of this project is physical assets management. SENSORICA's interest is network assets management, as part of the [OVN model](#).

SENSORICA is collaborating with [eVision](#) and [Living Labs Montreal](#)

Main immediate stakeholders

The Canadian Federal Government needs this study in order to understand how it can reduce bureaucracy associated with access, taking into consideration their requirements and their reality, from low security to high security buildings and offices.

[Caisse Desjardin](#) is interested in applying block chain technology to managing access to their facilities. They will be part of another proof of concept that will be handled by Living Labs MTL, our partners in this project.

[SENSORICA](#) and [OuiShare MTL](#) are interested in using the block chain technology to facilitate access to Montrealers to shared spaces such as fab labs, makerspaces, co-working spaces, and later to equipment that can be found in these spaces.

Background

The project has been initiated by [Tiberius Brastaviceanu](#) in OuiShare MTL under the name of [Open Space Access](#). Over time, the momentum has shifted within SENSORICA, with the implementation of an NFC access system for the SENSORICA Montreal lab. This activity has lead to a partnership with eVision and Living Labs MTL and a contract with the CNRC for this feasibility study.

Important links

[Project page on SENSORICA's website](#) - this is your first stop for everything

Project responsables

[Jim Anastasiou](#) and [Tiberius Brastaviceanu](#)

They play the role of interface between the SENSORICA OVN

Project co-management

This project will be structured on [SENSORICA's NRP-VAS](#).

Incentives

Extrinsic motivation

Immediate: Financial - This small project is funded. We will have close to 10,000 CAD that will be distributed in a few payments.

Medium-term: Financial - This small project is a precursor of a larger project that will be granted to the same group, if we make a good impression.

Long term: Reputation - All work is recorded in SENSORICA's NRP, which provides visibility for those involved to our partners and to the Canadian Federal Government. Moreover, your involvement in this project will also bring you recognition in other p2p communities.

NOTE: Every contributor will be rewarded in proportion to his/her contribution to the project, only if these contributions have been logged within [SENSORICA's NRP-VAS](#), and have been accepted as valid contributions by the entire group of participants. You'll learn the details as you go...

Everything we do is open and transparent. You'll be able to use the outcomes of our collective work in an unrestricted way, assuming that you provide the proper attribution.

Intrinsic motivation

By participating in this project you gain experience with SENSORICA's commons-based peer production methodology and tools.

You also learn about block chain technology and its specific applications to access.

Moreover, you'll work closely with sensoricans, with extensive experience in peer production, using new forms of property.