LIVE INFORMATION SYSTEM LLC

UNIVERSITÀ POLITECNICA DELLE MARCHE

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COMPANY INFORMATION
Innovative Startup
Established: 2022
Business development phase: Growth
Share capital: € 11,000

TEAM
1 Information Technology
2 Mechanical Engineering
2 Architecture /Civil Engineering
2 Financial/MBA

ADDITIONAL INFO
Cloud (SaaS), IoT systems integrated within the BIM model. Real-time data usuful for facility management

VISION
Creating smart cities, one building at a time.
Digitizing the entire world of construction, transitioning from paper to digital, is not just a challenge, but a necessity, a commitment. In fact, through the use of different technologies, such as the Blockchain, it will be possible to certify a whole series of operations, as well as the identity of a user, thus creating the possibility of developing secure and certified digital models.

MARKET OPPORTUNITIES
Digital transformation of the industry is based on the new BIM (Building Information Modeling) methodology which records a growth of 20% per year. This growth is the result of several factors:

1-The new EU regulatory standards for the sector;
2-Considerable savings in projection up to 20-25%;
3-Increase in HW performance and lower costs for HW and SW;
4-Paradigm shift in the figure of the engineer / architect, with an increasingly high presence in managerial roles of profiles strongly linked to engineering aspects;
5-Data-oriented future. Like other sectors related to information, even in the construction sector there will be an evolution towards open formats and the exchange of know-how at a global level.

SOLUTION
Live Information System, is an innovative multi-platform, designed for smart buildings that will be integrated into smart cities. Our software is an operating system for buildings and structures, designed to create an intelligent system, where data and algorithms are the perfect tools to facilitate the various development and management processes. This software is based on digital models already present and developed with the modern BIM methodology.

THE COMPETITIVE ADVANTAGE
The main innovative element is the combination between a wireless communication system inside real buildings and a digital information model (BIM) of the building itself, which allows to have a system for which access to data is direct, fast and responsive to a single database. Furthermore, the creation of an innovative software environment and a hardware network that interact in real time, merge into a cutting-edge system, based on blockchain and IOT technology, with software solutions and intelligent algorithms. The full integration between the SW platform and the IoT HW platform with sensors also makes the reporting of anomalies and their resolution timely.

BUSINESS MODEL
Our business model is SaaS, therefore the proposal is mainly based on access to the dedicated platform, where all the data from the sensors are collected. Multiple solutions can be offered based on the customer’s needs, from the cost of registering on the platform, to the extension with other services, to which the fee of the annual subscription will subsequently be added to have continuous access. Furthermore, part of our solutions can be implemented with QR-CODE, sensors, processes and modeling in BIM.

PRODUCTS / SERVICES

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Construction sector

Digital Model Certification.

Certified BIM model management system. Complete traceability and data integrity for your digital model.

Construction sector/ Environmental

IoT system integrated with the digital model.

Monitoring and control system connected to any BIM model Monitoring with sensors for Smart living, Systems, Smart buildings, Structure Health Monitoring. Energy efficiency and consumption monitoring.

Construction sector/Industry 4.0

Advanced, AI-Enhanced

Implementation of AI and Machine Learning ML algorithms for management, filtering, aggregation (data manipulation). Grouping of data.