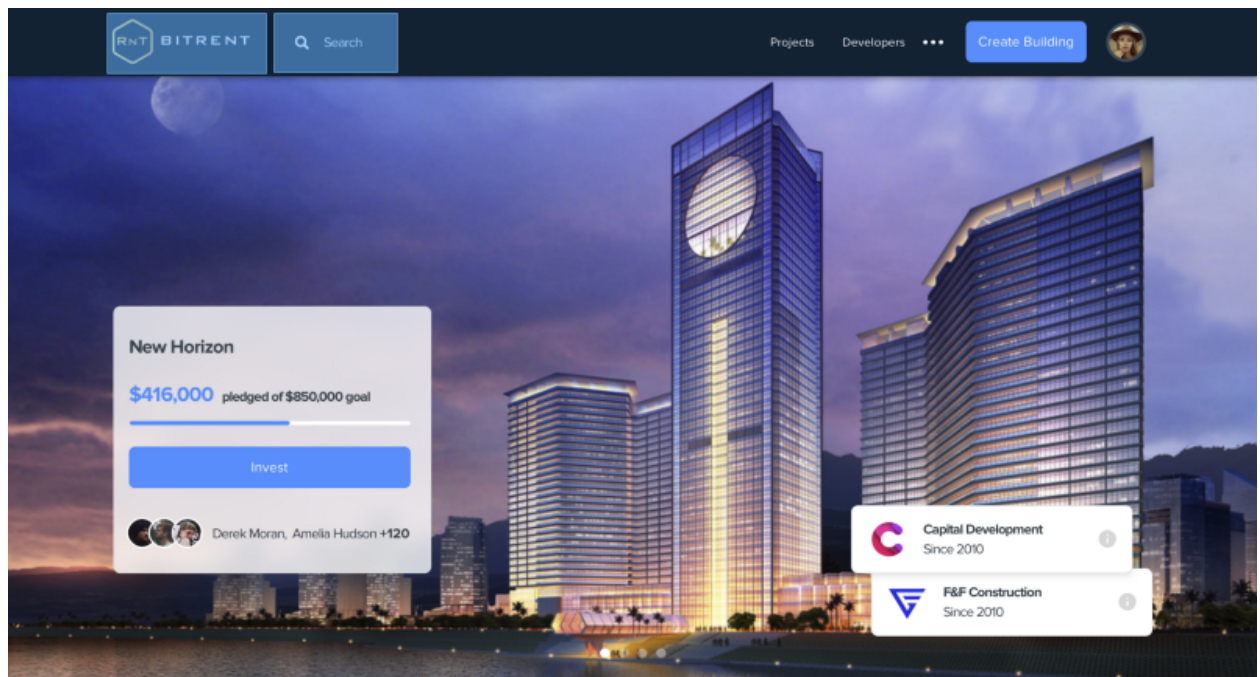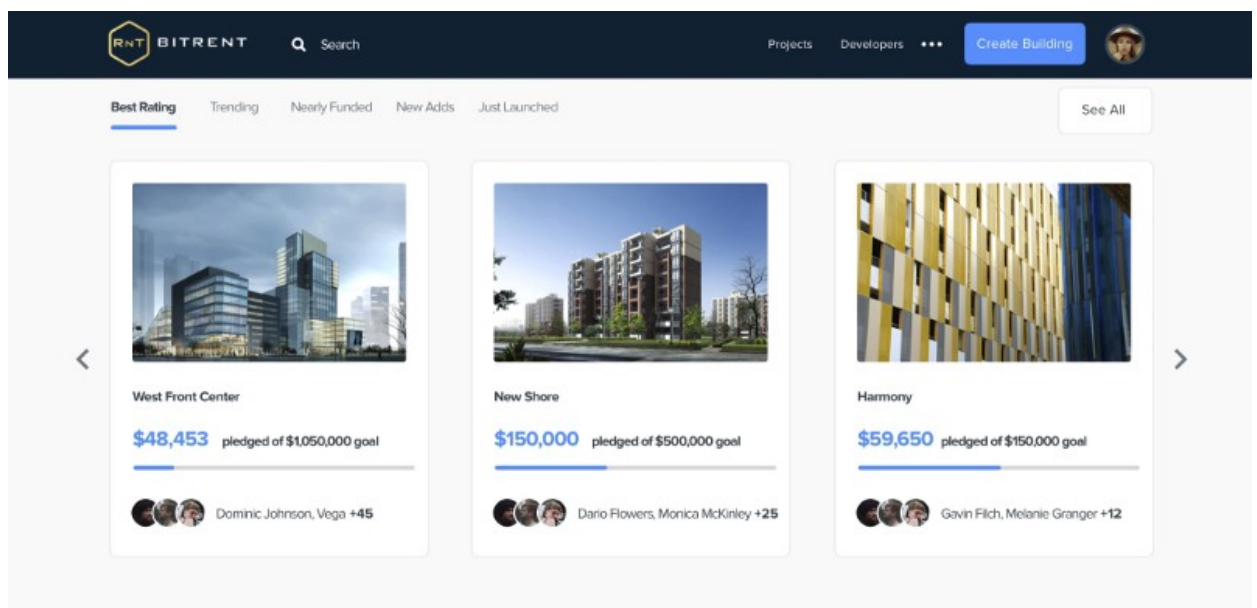# BIM models to visualize construction progress

BIM (Building Information Modeling) — is an intelligent 3D design and modeling software that gives architecture, engineering, and construction the ability and tools to plan, design, construct and manage the building more efficiently.

BIM models not only contain architectural data but detailed info about a building including diverse engineering disciplines like load-bearing structures, all the ducts and pipes of the building systems and all other characteristics of the building.
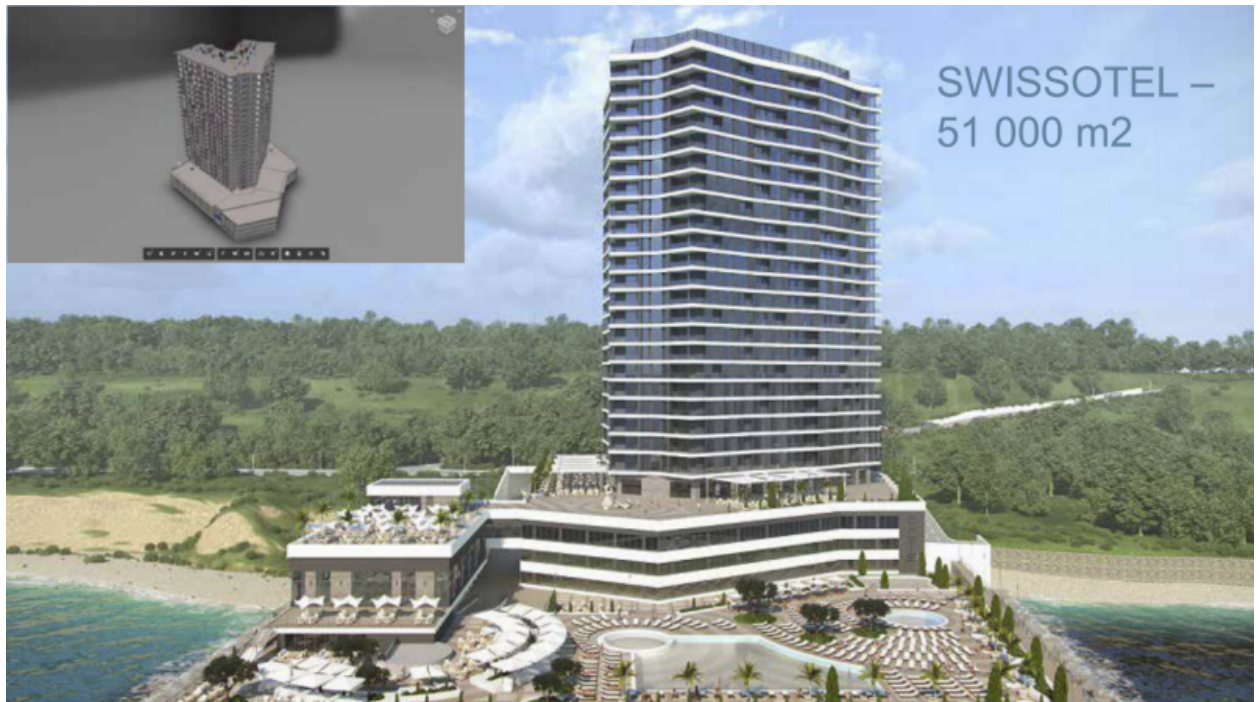
Embedding BIM into Bitrent platform we can visualize the building construction progress. When RFID tags id change statuses, the info is transmitted to a smart contract which is linked with the building BIM model.

So, when constructors complete a section or milestone (and it's confirmed by other verified users), changes appear in Bitrent web-interface as each participant to be able to see them.
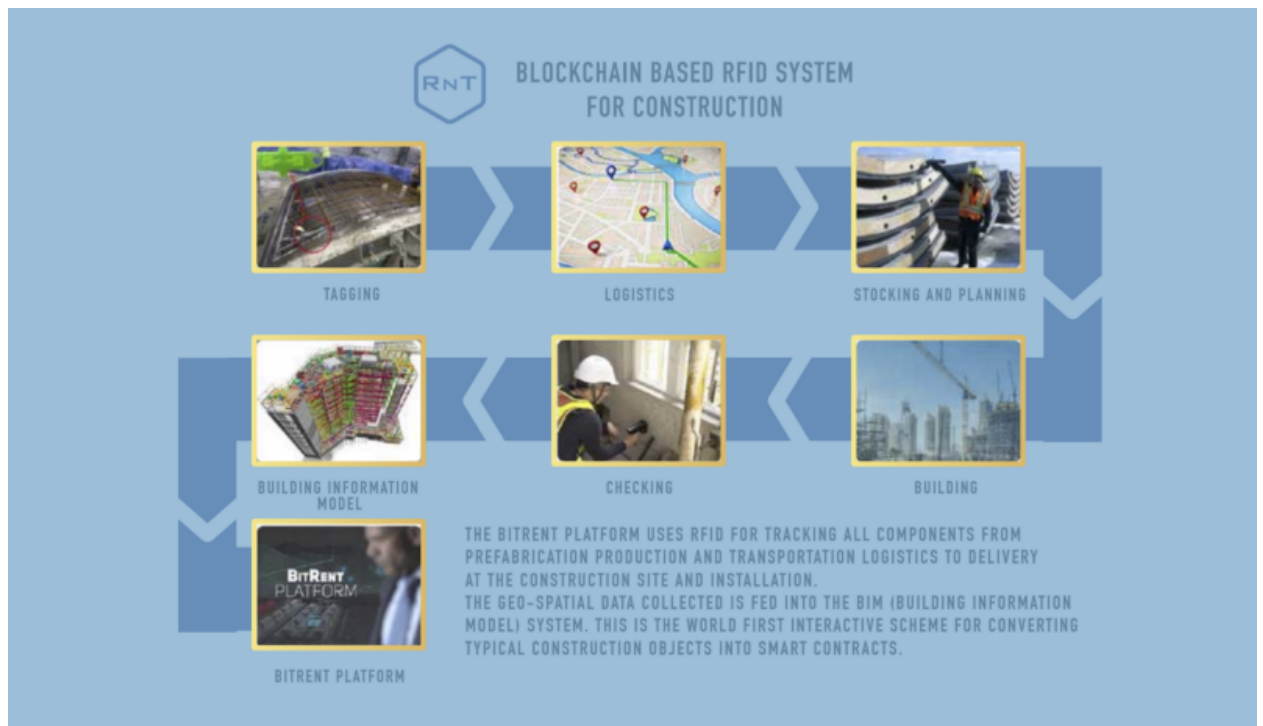

Also, digital execution of the construction key steps are recorded and could be transmitted from the BIM Model to the project node, automating different action, for instance, launching tendering process, sending payment requests, documentation archiving controlling model access, updating transaction settlements, and much more.

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Moreover, BIM is able to schedule information, for example, clarifies the necessary manpower, coordination, and anything that could affect the performance. Budget is also a part of BIM that allows to monitor coincidence of estimated budget and current expenses at any given point and time whilst the project construction.

By using Bitrent platform to find investments, professionals in the AEC industry are moving forward to avoid traditional contractual conflicts that are often observed among the project participants.

Our Telegram community: https://t.me/bitrentio