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Scan Old Building Scan to BIM BIM Modeling Services +5

## What is difference between point cloud to BIM and scan to BIM (building information modeling) model?



Point clouds are the product of 3D laser scanning. This technology is especially useful for scanning large areas quickly and effectively, but specialized software is required to turn them into usable information.

Scan to BIM is also popularly known as **Point Cloud to BIM**, because when buildings are surveyed using a 3D laser scanner the data is collected in the form of a point cloud (a cluster of millions of points in a 3D space). Experts import these point clouds into software tools like Revit and convert them into 3D models ready for BIM.



Scan to BIM

Refer these both articles to know the differences -

innovative Building Informati Answered Apr 4, 2016

## Scan To BIM - An Emerging Trend Transforming The AEC Industry

When real objects i.e. the building and objects within the building are scanned, they exhibit more characteristics and details than what needs to be included in a BIM model. Additionally, an occupied or non-occupied building might have objects such as furniture, plants, curtains etc that pose as an obstruction in the process of capturing complete building data that is required.

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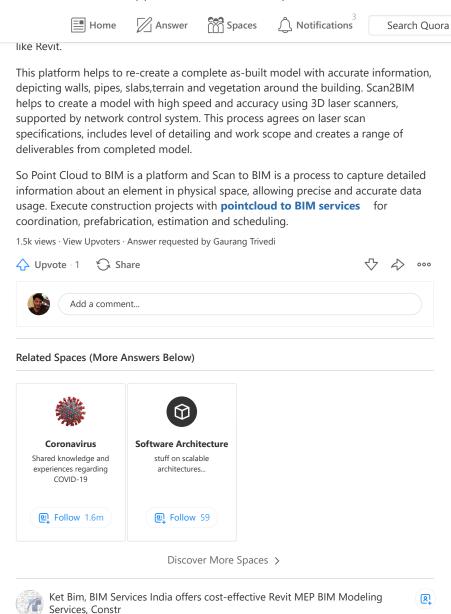
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What are the benefits of using scan to BIM (building information modeling)?



Point cloud to BIM is the platform and scan to BIM is the process that has to be done in AS-BUILT condition.

## Work Methodology:

Answered Jun 18, 2016

- Import the Scan file into Revit and set the co-ordinates as required by the
- Once the scans are imported then model the elements listed in the deliverables scope of work.
- Model was timely submitted so as to keep a check on the project progress.
   Some of the elements which were completely not visible in the scans were develop using the photographs provided by the client.

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Technically, we have elaborate knowledge of executing international Building design and BIM Modeling Projects worldwide. We have an expertise of working on Revit Architecture, Structure and MEP Modeling using advanced BIM technologies likePoint Cloud modeling services, 4D and 5D BIM service , Clash Detection services and BIM Co-ordination Modeling . Parametric features of Revit software gives 3d modeling an edge over 2D.

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modeling): Can anyone explain with an example:

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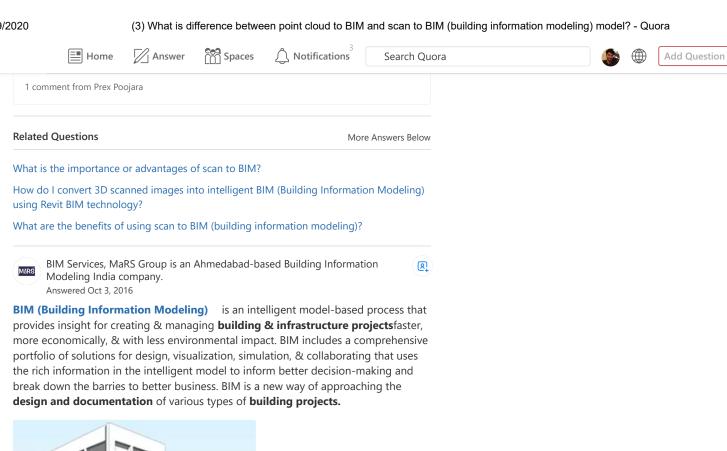
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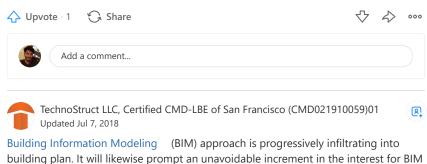
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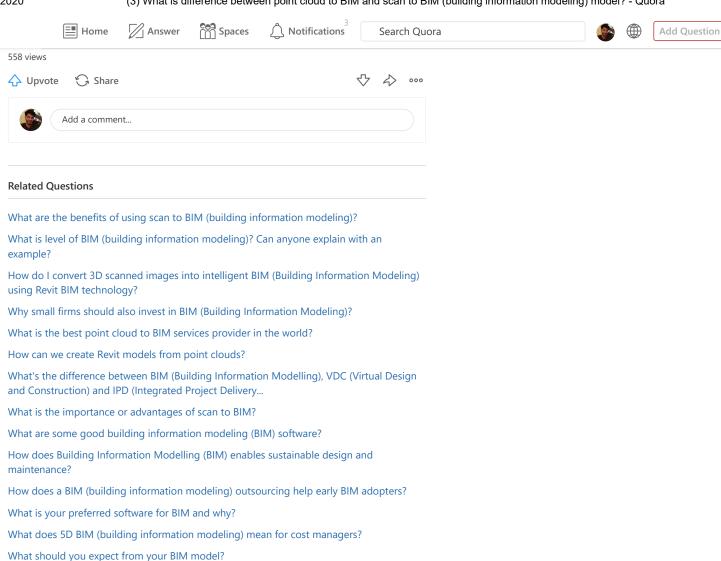


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building plan. It will likewise prompt an unavoidable increment in the interest for BIM modeling in the current building stock. That brings up the issue, what is the best strategy for reviewing existing buildings? Laser examining gives off an impression of being the perfect arrangement. It permits the speedy and exact superior quality catch of 3D information. Different pilot activities and client reports recount the adequacy of the strategy as the reason for making a 3D BIM show (among others, Fletcher 2013). Yet, accordingly, is the strategy 'Sweep to-BIM' in no way, shape or form paltry. The





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