How Architects and Engineers Can Implement BIM On Any Size of Projects and Save Costs and Time

Building Information Modelling (BIM) is gaining popularity in the Middle East region but is mainly applied on larger projects. With simple tools and processes, BIM and 3D modelling can even be applied on smaller projects to increase efficiency and minimise errors and rework.

Step 1: Download the free BricsCAD Shape

BricsCAD Shape offers everything you need to present your designs. It comes with a library of materials and 3D components. Use the included collection of doors and windows, or create custom versions easily. Control the appearance of your model with Visual Styles.

https://youtu.be/QCsp_NKtOlo

Step 2: Start shaping your project

You have now started the first step of the BIM workflow. Models made with BricsCAD Shape are stored as DWG files and BIM ready.

With BricsCAD Shape, you either use the Shape Tool to create walls from scratch or import an existing 2D plan in DWG to make the 3D model from.

https://youtu.be/QdFOvGo_AKs

Step 3: Add windows, doors, furniture to your model

BricsCAD Shape comes with a library of 3D components to help you present your ideas. Need more? You can import 3D models from any source, or create your own.

https://youtu.be/a0rr3q7nfpI

Step 4: Present your model to the client

Chose the visual presentation style that suits your project and client the best. Sometimes a pencil like sketch works best, and other times a more realistic rendering is better.

https://youtu.be/PIqsRBwYsvk

Step 5: Take your model to the next level of BIM

When the conceptual design is approved, you are ready to take your BIM workflow to the next level. The model made in BricsCAD Shape is ready for BIM with no rework or loss of information.

Download BricsCAD BIM and directly open the DWG model made in BricsCAD Shape. Start with the 30-days trial of the full version of BricsCAD BIM and learn to know the capabilities of the application.

Step 6: Let BricsCAD BIM do the work for you

BricsCAD BIM uses machine intelligence and automated processes to simplify the BIM process.

https://youtu.be/vzdZDHj8vhU

It automatically classifies BIM objects, including their spatial locations. Each room understands where it is located in the building and knows its 3D boundaries. Linear solids can be auto-classified as beams, pipes, ducts and more - laying the groundwork for structural and building mechanical applications.

https://youtu.be/NY71x6x8AWY

Step 7: Add data to your BIM

After the automated classification process, you can manually add properties to building components.

https://youtu.be/aEZo_sQidzk

Step 8: Create 2D plans from your BIM

From the 3D model, you can easily create 2D plans that are updated with any changes in the model.

https://youtu.be/COkW63wpheM

Step 9: Extract data from your BIM

With the design and building components defined, you can extract quantities and descriptions directly from the model.

https://youtu.be/DGm4RiqybUs

For more information, see www.bricsys.com

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