

Prodesign winning 'BIM Africa Innovation Awards 2021' for the 'Innovation in Built Environment Category'

We continuously emphasised on the importance of adopting BIM in the construction industry. BIM is today at the base of the digital transformation in the sector of architecture, engineering, economy, and realization. Like we explained in our previous issues, BIM is the process of creation of an intelligent 3D model which contains every detail and data on each physical component of the building. BIM also enables coordination, management, and simulation during the whole project lifecycle, from planning, design, construction, operations, and maintenance.

Prodesign had adopted BIM since 2008 and today we are proud to have won the '**BIM Africa Innovation Awards 2021**' for the '**Innovation in Built Environment Category**'. This success is important for our development and encourages us to continue our R&D in digital technologies. We have been able to use this new tool in a very innovative way so as to make the design and construction of a building simpler.

At Prodesign, we have realized the benefits of BIM for ourselves, our clients and the African construction industry. If you are interested in BIM and Virtual Reality for construction, do get in touch with us for a presentation and live demo.



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BIM IN REVIEW

Some benefits of BIM at Construction stages

- Better understanding of the building - Unlike paper drawings, BIM models allow for sharing, collaborating and versioning. Cloud-based platforms allow collaboration and coordination within the whole project team. Models can be viewed on site and virtual meetings can be conducted with BIM tools.
- More accurate cost estimation - 5D BIM allows for the integration of construction cost estimation at earlier stages of a project. With BIM, many time-consuming tasks can be automated, giving resources more time to focus on higher value aspects of the project.
- Increased productivity with prefabrication - Information from the BIM model can be used for prefabrication manufacturing purposes. With off-site manufacturing in a controlled environment, construction waste, labour and material costs and inefficiency all decrease considerably.
- More seamless building handover and Facilities Management - The use of coordinated models, virtual simulations, and better decision-making lead to an improved building quality. Design aesthetics can be easily determined, and construction becomes more accurate. The accurate information in the model will drive the O&M of the building and provides digital records to facilitate future changes and renovations.

Launched our 3D Interactive Building User Guide.
Contact us for a demo and a quote.