



BSI Kitemark certification for BIM design and construction: building resilience for the digital age.



Desapex is India's first digital life-cycle design company for the built environment, with headquarters in Bangalore, India's Silicon Valley. In 2015, Desapex started to upskill India's youth workforce to be able to work on construction projects using the latest technologies. The company's founders switched direction when they ventured into digital design consulting services on digital platforms, and now employ around 50 people.

Desapex are amongst the first leading organizations to achieve BSI Kitemark certification for BIM design and construction. In the emerging market where there are no standard local guidelines for implementing BIM in a project, the BSI Kitemark certification supported Desapex in **creating the following:**

- BIM capabilities when responding to clients Pre-qualification questionnaires (PQQ's)
- Differentiating the company in the marketplace
- Promoting the company as an industry leader in Building Information Modelling (BIM)
- Helping develop new business streams, opportunities and revenue streams



Find out more: bsigroup.co.in/BIM



Desapex Engineering
Consultants LLP



We have adopted the international standard and achieved BSI Kitemark certification to ensure our clients receive assured information delivery throughout the project. This approach demonstrates we are agile and responding to market needs, as digital technology becomes more widespread within India and across the asset lifecycle.

Varunkumar Sagarkar and Shreenidhi Hungund
Founders

The benefits of BIM

In traditional 2D CAD design, the different participants must wait for each other's design completion; the data deliverables are piled in silos before they can be exchanged between the design teams. In such case, data can become obsolete, in other words, the data goes to waste. In contrast, by using BIM processes, the timely exchange of information between project teams is enabled by sharing and integrating information between disciplines that contribute to the project information model. This allows real-time design adjustments and development. The information is then always up-to-date, and the clear design intent visualization facilitates communication between players and allows for continuous information flow instead of interrupted batch flow. As following the traditional routes of design, construction and operation stages, there is often no connected database, leading to a lack of visibility throughout the construction of an asset and causing challenges for those responsible for operating it. However, industry is seeing a global digital transformation. People, process and technology are brought together through the application of BIM, designed to streamline these stages, avoid duplication or redundancy of data, and drive greater efficiency.

BSI solution

Desapex looked for a solution that would help validate the capability and maturity of their BIM delivery in the market. By adopting the international standard for BIM,

ISO 19650-2, and certifying against this standard, Desapex were able to send a clear message to industry of their integrity around BIM practices and their adoption of internationally recognized best practice.

Desapex started their BIM journey by originally aligning to the publically available specification, PAS 1192-2. The next stage was to adopt the internationally recognized standard, ISO 19650 parts 1 and 2, by obtaining original licenced copies, and working with the team to understand the best practice approach. This was followed by an in-depth gap analysis conducted by BSI, to clearly map progress against the international standard, and identify where improvements could be made to improve delivery and the feedback process. This was followed by an on-site audit at Desapex' India office in Bangalore.

BSI Kitemark certification for BIM Design and Construction was developed to reflect industry needs, and designed in collaboration with industry leaders to ensure key challenges were met. It provides a robust level of certification for an organization, taking aspects of using management system standards such as BS 11000 Collaborative Business Relationships, ISO 9001 Quality Management encompassing three main areas to support the core requirements of ISO 19650-2 of completed BIM projects, customer satisfaction, and supply chain management which are key aspects from the Desapex management perspective scaling up any business in general.

Why BSI?

Because we help shape international standards, and our training and certification solutions are designed with industry, there's no one better to help support your BIM journey and make your business more sustainable and resilient.

bsi.