

DESIONICS PROJECT DESIGNS: INDIA'S ULTIMATE SMEP DESIGN & BIM CONSULTANTS

By Srrayvinya OLM

If you're in Lucknow, you would have definitely caught a glimpse of the magnificent structure of Lulu Mall (under construction), spanning 20 lakh sq.ft. of area. Even in Qatar, the grandeur of buildings like Qatar Science & Technology Park, Lusai Marina Tower, and many more have awestruck a plenty of souls. Wondering what makes them so special? It is indeed their unique and spellbinding designs; thanks to the mastermind – Desionics Project Designs (P) Ltd., India's only SMEP Design & BIM (Building Information Modelling) consultant with presence in Middle East as well. In contrast to a mere contractor, Desionics adheres to a holistic approach of delivering SMEP (Structural, Mechanical, Electrical, Plumbing & Fire) Design as well as BIM services to clients, till the point of completion and handing-over the project.

Today, most of the BIM consultants in India conform to the Level of Detail (LOD) – 300 & 350, the graphical content defined for key stages of a project, while companies in Middle East conform to LOD – 400. Standing way ahead of these companies is Desionics that utilizes up to LOD – 500, and gives the same level of attention to every project, despite the sector or scale. The other forte of the firm is its affordable price points that none in the Indian as well as foreign markets can compete with. Commenting on this forte, Cherian C, Chairman, Desionics Project Designs, explains, “We deploy technically qualified people, predominantly those who migrate back to India post facing employment difficulties abroad. This way, our initial costs for manpower are lesser compared to other consultants that recruit people from abroad”.

Transparency Par Excellence

Desionics breathes its vision – ‘We combine technical expertise and dynamic tools with reliable process to achieve design excellence’, across each project. The firm deploys Autodesk BIM 360, wherein the design status of each



Cherian C,
Chairman

project is updated on a day-to-day basis. Each client is provided with a unique user name and password to login to their accounts and track the progress of their project from time-to-time. Besides, Desionics also leverages the might of Candy, the ultimate construction project management software that produces accurate quantity and cost of a project with no human interference, thus offering an error-free and transparent price point for the clients.

To maintain transparency even in project delivery, Desionics updates each and every detail across Oracle's Primavera or Microsoft Project software, which is shared with the client on a monthly basis. Especially when there is a delay in the project, the firm ensures to input the actual completion date in the project planner against the estimated date, stating appropriate reasons. The reasons, be it changes in client's requirements, delay in approval, or any others, are clearly mentioned so

that Desionics can improve itself and perform well in its future projects. Other advanced software utilized by the firm include CCS Candy for Estimation, ETAB Model, SAFE Analysis for structural designs, Autodesk AEC Collection for 3D detailed MEP modeling, DIALux & Relux for lighting calculation, ETAP for electrical power distribution analysis, Elite for sprinkler system calculation, HAP for heat load calculation, and many others. Investing heavily in these software along with training its manpower on effective software utilization is how Desionics quotes affordable prices for its designs.

KEY MANAGEMENT:

Eldho P Kuriakose, Managing Director

Eldho is a doyen in the field of MEP Design who has accomplished the most difficult projects across India and Middle East.

Office Locations: Kochi & Qatar

Services:

- Structural Engineering
- Mechanical Engineering
- Electrical Engineering
- Public Health Engineering
- Fire Protection System & Vertical Transportation
- ELV System & Associated Services
- BIM Services

Value Engineering

With regards to electrical design for buildings, most conventional designers restrict themselves to academic knowledge and not think out of the box. Contrastingly, the advancements in technology have presented us with various novel methods of cable designs that can evade the fire accidents during heavy usage. This is exactly what Desionics follows! Eldho P Kuriakose, Managing Director, Desionics Project Designs, articulates, “We incorporate value engineering as well as latest equipment in the market across all our upcoming designs, thus greatly benefitting our clients poised across education & science, commercial & workspace, retail & hospitality, health & wellness, industrial and residential sectors”. No wonder, Desionics always stays in conformance with its tagline



Eldho P Kuriakose,
Managing Director

– ‘Engineering Designs based Operating Network for Industrial & Commercial Services’!

A Quality Team Backed by Doyens

With a team of just 15 people, Desionics has grown to 80 people today and aspires to increase it to 150 by next FY. Vesting belief in a quality team, the firm currently owns a team wherein each designer or draftsman holds the combined skillset of three people in the market. Through rigorous training and backed by Eldho's technical expertise & experience, the team is made more efficient at all levels. The biggest linchpin of Desionics, Eldho holds a degree in Electrical Engineering, and has vast experience in MEP Design services for various building & infrastructure projects in India and abroad.

Cherian is also an Electrical Engineering graduate with 32+ years of experience and expertise in providing engineering design & execution services for electrical projects like multistoried, residential, commercial, hotels, malls, hospital, industrial and institutions. Some of his key milestone projects are 21 MW power plant & 1,00,000 TPA steel mill for GK Steels, Kurdistan, 2,00,000 TPA steel mill for Seashore Steel WLL, Qatar, industrial & hospital projects in Kerala & Karnataka, and many others.

In the next two years, Desionics is planning to unveil five more branch offices all over the world and augment its networks in tandem. Eldho concludes, “We are proud to have accomplished projects spanning 15 million sq.ft. so far and envision to complete 30 million sq.ft. by the end of next FY”. 

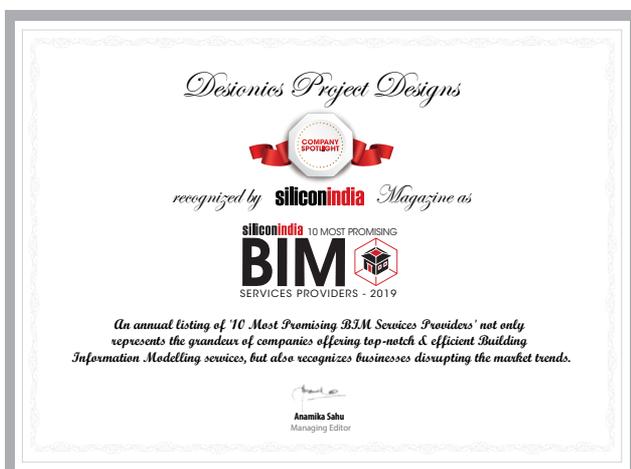
10 Most Promising BIM Services Providers – 2019

In the technological arena, India gets a déjà vu, as it is yet again running behind the international pace of technological involvement and digital adoption in the construction industry. It's been more than a couple of years since Building Information Modeling (BIM) has become one of the buzzwords in the international engineering & construction industry, saving millions of dollars for construction organizations every year. But in the subcontinent, there are hardly about 30,000-40,000 companies that involve BIM in projects, amidst which the major wedge is projected towards the foreign markets. It's mostly because the design engineers are not able to convince clients about the benefits of BIM, as all the major BIM tools come with templates that are built to fit foreign markets. Needless to say, we design & construct our buildings in a whole different way.

The Indian real estate industry is to hit a market size of \$1 trillion by 2030 and contribute 13

percent of the country's GDP by 2025. To seize this huge opportunity, the design engineers need to up their game and significantly flex their innovative muscles to build India centric modules in BIM, which will pave their way to attaining the international pace of things. The better ways of convincing clients about the benefits of BIM is also the need of the hour and will play a decisive role in the success of BIM service providers.

While we reside at this interesting phase, siliconindia presents, '10 Most Promising BIM Services Providers – 2019'. Our editorial board scrutinized the index via frequent deliberations alongside a renowned panel of industry's topmost CEOs, Directors, VCs, and industry analysts, throughout the year. Evaluating the scenarios in versatile perceptions has brought siliconindia to sketch the organizations that propose a bunch of innovative BIM services. This scrutinized list will perform as an informative manual for enterprises with an interest in the segment.



Company:

Desionics Project Designs

Key Persons:

Eldho P Kuriakose,
Managing Director
Cherian C,
Chairman

Website:

desionics.com

Description:

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