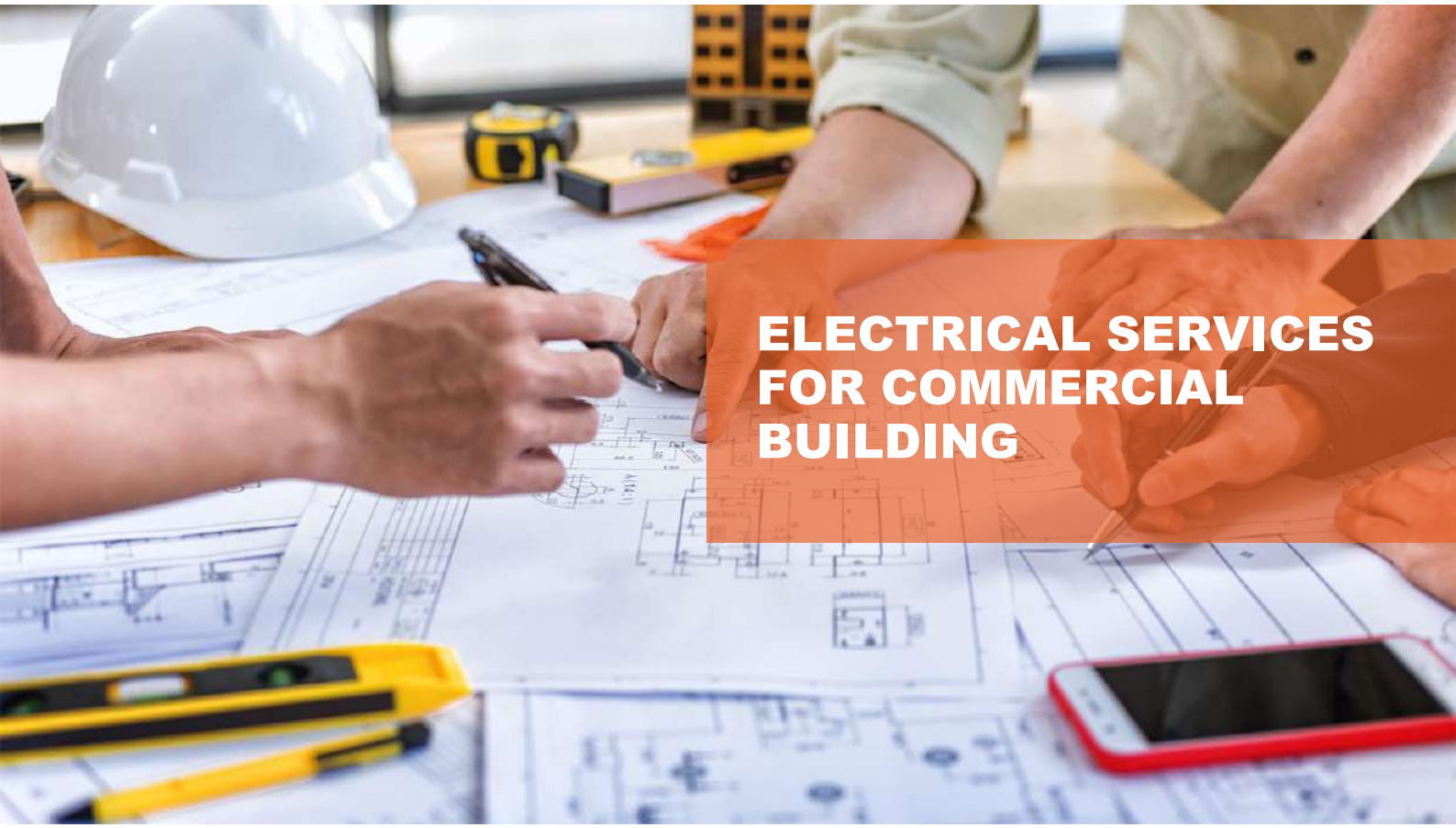
TAAL TECH
Accelerate Your Success



ELECTRICAL SERVICES FOR COMMERCIAL BUILDING

About Our Client

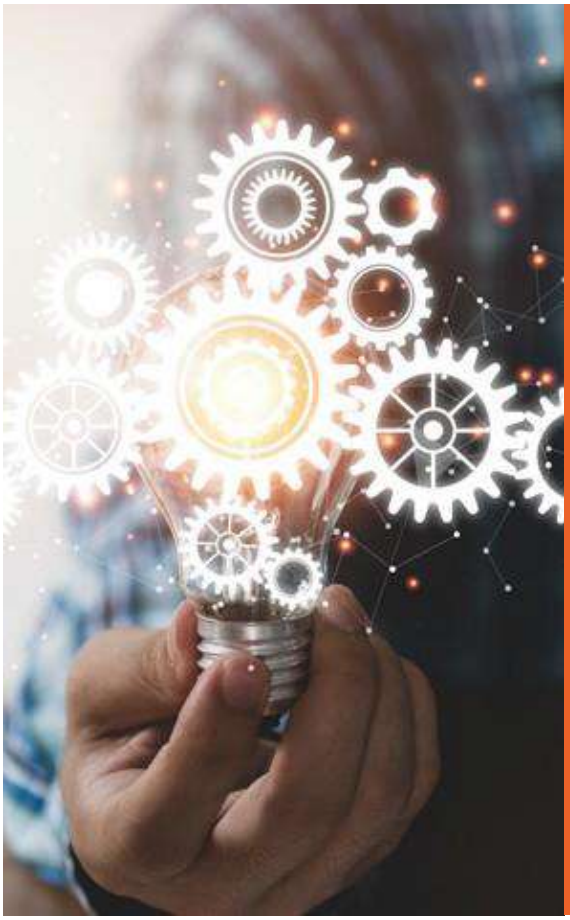
The customer is a leading North American design/build specialty contractor that specializes in electrical and low voltage systems. Their portfolio includes a wide range of projects such as commercial, life-science, high-tech, data center, healthcare, institutional, retail, hospitality, manufacturing, site development, residential, renewable energy, and energy audit/efficiency

Scope / Challenge

The project's primary objective was to create a detailed model of the conduit using Autodesk Revit and generate pre-fabrication drawings. The focus was on the electrical room of a commercial building. After creating the initial models, shop drawings were produced using AutoCAD software.

The project scope also included the development of a Bill of Quantities for Rack and J Hangers, which is a crucial aspect of the project's supply chain management. This required close coordination with other departments and services to ensure timely feedback and approvals.

The client requirements warranted highly specialized skills in modelling and drafting, coupled with a deep understanding of electrical systems and building infrastructure. Close coordination with other departments was necessary to ensure that the project was executed successfully and delivered on time.



Solution

The TAAL Tech team undertook a comprehensive study of the architectural, structural, and electrical design drawings, as well as the client's standards, to ensure a thorough understanding of the project requirements. Following this, the team initiated the modeling process of various Electrical and Extra Low Voltage (ELV) systems for each floor of the building using REVIT software.

As part of the modeling process, the team closely coordinated with the MEP disciplines, as well as the structural and architectural teams, based at the client's location. This coordination was critical to ensure that the models accurately reflected the project requirements and that all stakeholders were aligned.

Once the models were complete, they were shared with the customer for approval. Upon receipt of approval, the team produced detailed shop drawings that included all construction details, such as dimensions, material specifications, and installation requirements. Additionally, the team generated the Bill of Quantity for all Electrical items, which would be essential for the installation process.

Results Delivered

Thanks to TAAL Tech's deep understanding of Electrical and Extra Low Voltage (ELV) systems and their ability to coordinate with multiple teams and disciplines, the project was completed successfully within a short turnaround time. The team's efforts resulted in the delivery of high-quality models, shop drawings, and bill of quantities that exceeded the client's expectations and enabled a smooth installation process.

As a result of the team's efficient work, the customer was able to expedite their construction activities. The quality of the output generated by TAAL Tech was so high that no additional modifications were needed during the installation stage.

About TAAL Tech

TAAL Tech is a niche Engineering and Technology solutions provider serving global corporations in their pursuit for faster innovation. Our vision is to be a leader in providing innovative, high value engineering & technology services to global corporations. Meet our team and learn more about us.

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