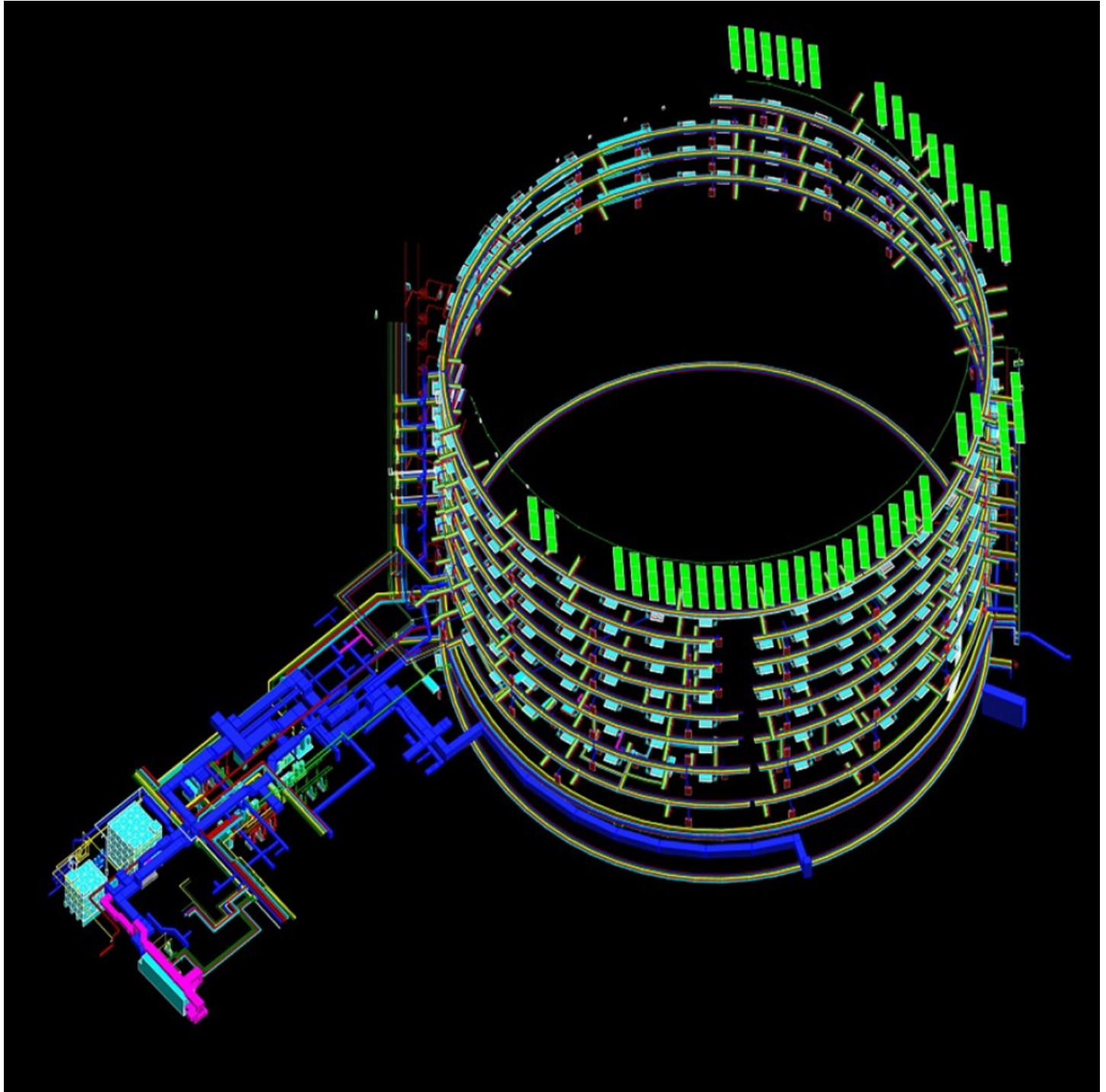


Celebrating 15 years of BIM Services and expertise in Clash Detection & BIM Coordination Services

As Tesla marks 15 years of its global operations in the AEC industry, it puts light on it's one of the most sought services, Clash Detection & BIM Coordination.



Aurora, Colorado Dec 16, 2022 ([Issuewire.com](https://www.issuewire.com)) - Tesla Outsourcing Services is one of the global AEC industry's oldest and most reliable names. With a diverse portfolio of 1500+ small, medium, and large-scale projects, Tesla has been delivering top-notch services for since 2007. Many reputed AEC companies from countries like the U.S.A., U.K., Spain, and other European nations have been availing

of Tesla's services with utmost satisfaction.

The three pillars of Tesla's strong foundation are its people, process, and technology.

“Just as manners maketh the man, employees and clients maketh the organization. Our stalwart team reinforces this belief by delivering an output that surpasses our client expectations.” - Ketan Poojara, CEO

People are at the center of everything they do. From clients to employees, they achieve operational excellence through constant learning and technological upgrades. As Tesla marks 15 years of its global operations, here are a few takeaways on one of the most sought services by the AEC industry: Clash Detection and [BIM Coordination Services](#).

BIM Clash Detection and Coordination at Tesla Outsourcing Services

The preconstruction process can be broadly considered as an amalgamation of 3 disciplines: Architecture, Structure, and MEPF (Mechanical, Electrical, Plumbing, and Fire Protection). Each domain has its professionals who work independently based on their expertise without coordinating with members from other specializations. Hence, clashes in designs are bound to happen. If undetected, such errors might increase the material billings and costs. Moreover, workflow clashes can cause a domino effect, potentially slowing the entire construction process.

Tesla is an expert when it comes to BIM Clash Detection and Coordination, a comprehensive approach that helps eradicate collisions at the preconstruction stage. Tesla has executed several BIM Coordination and Clash Detection projects for various buildings such as commercial, residential, educational institutes, retail complexes, etc. With a rich experience of more than a decade in this domain, Tesla has contributed greatly to creating sustainable and energy-efficient buildings while reducing the overall project cost.

Tesla's MEP BIM Coordination solutions enable MEP contractors and engineers in the USA to make improved decision-making for their construction projects. Tesla's comprehensive MEP solutions have been valued greatly by their clients and to demonstrate their expertise, here are the top 3 BIM Coordination and Clash Detection projects carried out by Tesla.

BIM Clash Detection and Coordination Projects by Tesla Outsourcing Services:

- **BIM Coordination for Battersea Power Station**

Battersea Power Station is a legendary landmark in the London Borough of Wandsworth that has been transformed into a 7-floor residential apartment. Its surroundings have been recently redesigned and brought back to life.

Tesla Outsourcing's project responsibilities included [BIM Services](#), Coordination, and shop drawing creation for the residential apartment with seven floors. The modeling had to be done at LOD 350.

Initially, the project was limited to tagging. The project underwent various design changes, resulting in modeling and coordination modifications. Tesla had to accommodate these changes in the model in a short time while coordinating with other teams.

<https://www.youtube.com/watch?v=bQKZ4z077Ho>

• Development of a Complete BIM Coordinated Model for a Multi-storied Apartment

Tesla developed architectural, structural, mechanical, electrical, and plumbing models of a multi-storied apartment (8 floors above ground + Roof + 2 Basements) with an area of 700,000 square feet. There were a lot of clashes that required significant design changes in order to remove them. Tesla provided the inputs and design recommendations in order to eliminate the clashes and optimize the design.

The clashes in the models were detected using Navisworks, and BIM Coordination was completed by resolving all the clashes in Revit. Post coordination, a complete set of coordinated [MEP Shop Drawings](#) was created.

A team of 20 architects and BIM engineers worked tirelessly to ensure that the project was completed in a record time of 200 working days, which was shortened from the initial 300 working day estimate, while accommodating all the design changes that were made mid-way. The exceptional commitment and delivery earned Tesla an additional 20% fee as a bonus as well as a new project.

• Revit Modeling Services for a Community Center and Commercial Building

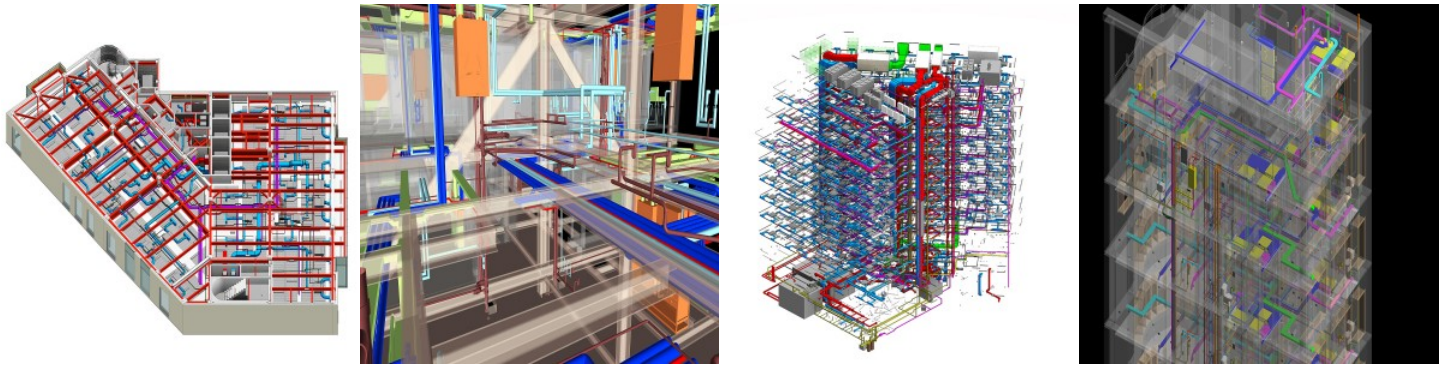
This was a BIM project for a commercial building and community center with 8 floors and 1 basement + mezzanine that was carried out by Tesla in 3 phases:

- Developing Architectural, Structural, and MEP models at LOD 350
- Clash Detection and BIM Coordination using Navisworks and Revit
- MEP Installation Drawings and Shop Drawings

The initial design had several interferences which required major changes in the design in order to remove them. Tesla used its years of experience and expertise to recommend the required changes, which were then incorporated into the final design.

Tesla takes pride in their values. Their roots of operational excellence, versatility, client satisfaction, and integrity ensure the highest quality of project delivery each time. Tesla's experience of 15+ years in the global AEC industry gives an edge over the understanding of clients' needs as well as the latest market trends. Tesla comes equipped with expertise in all the CAD and BIM services such as Architectural BIM, Structural BIM, and Scan to BIM, MEP BIM, 4D, and 5D BIM services, Revit Family Creation, [Construction Documentation Services](#), and many more! With the aim to become the most trusted AEC outsourcing company, Tesla continues to strive towards excellence through adaption and upgradation.

To discuss your BIM Modeling project including BIM Coordination Services, consult Tesla Outsourcing Services at 416-907-9430 or services@teslacadd.com.



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