

## Girbaa Tech Advantage

Experienced team



Quick scale up



Faster project delivery



Quality focus



Optimized solutions



Enhanced performance



Greater predictability



Continual improvement



## Girbaa Tech Expertise

- Commercial buildings
- IT Parks
- Residential Towers
- Township
- Hospitality
- Hospitals
- Airport
- Metro Rail
- Museum



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# Building Engineering Services



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## Girbaa Tech Inc.

Girbaa Tech is a multi-disciplinary consulting engineering firm providing BIM and CAD services, Structural Engineering, A&E to clients across North America, Europe, Middle East and Asia.

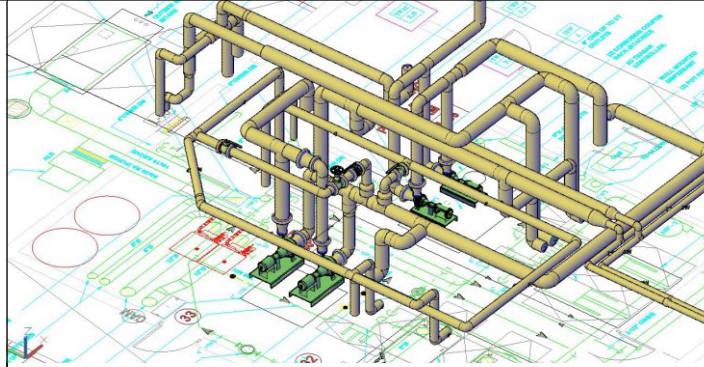
Our Engineering services and support solutions cater to a wide range of industries and domains. Our expertise includes Building Engineering services, Telecom infrastructure design and Mechanical Engineering design.

Evolving to keep with the changing demands of time is intrinsic to the company. A commitment to quality, process orientation, flexibility, proven methodology, ability to establish teams, and a good understanding of various industry standards has been the basis of our long term relationship with our clients.

## An Intelligent Process

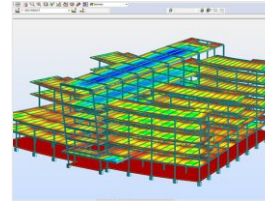
BIM is a great tool for a digital revolution. Just as AutoCAD helped us to take over from a drawing board and a pencil, BIM will help us to design and collaborate in the virtual world. Most importantly, BIM is not a technology. It is an intelligent process.

At Girbaa Tech, we work with our clients to utilize the full benefits of BIM. We also assist organizations planning to migrate from traditional 2D process to BIM. We are independent member of design or construction team, working with BIM to reduce build costs & conflicts and to increase overall project quality



### ■ 3D Modelling

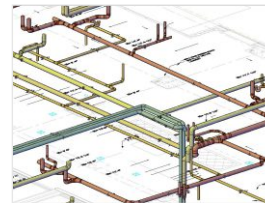
- Architectural
- Structural
- MEP



### ■ Design Validation

#### ■ Coordination

- Clash Detection
- Clash resolution

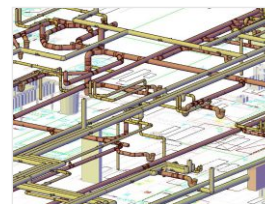


#### ■ Quantity take-off

#### ■ Construction Simulation

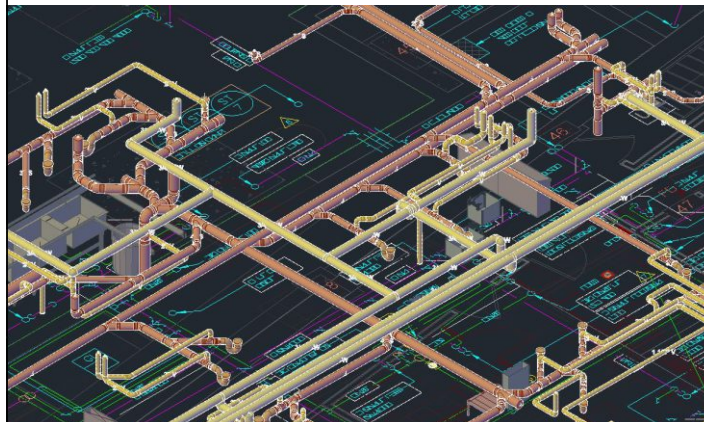
#### ■ Visualization

- Rendered images
- Walk Through



#### ■ As built models

#### ■ Content Creation



## BIM Services

Our wide spectrum of BIM services include 3D modeling, Design validation, Coordination, Quantity take-off, Construction documents, simulation, As built models, visualization and content creation.

## BIM Content Creation

For successful BIM implementation and increased productivity, high quality BIM objects and families are very critical. Girbaa Tech assists Architects, Contractors, Product manufacturers in developing libraries of accurate 3D parametric content for reuse. This helps the Designers and Engineers to focus at their core capabilities and save time and costs.

## Design Engineering Services

At Girbaa Tech, we have a team of qualified design engineers with high level of confidence experience in designing HVAC and plumbing systems for North American buildings.

We design HVAC building systems for commercial, Industrial and residential buildings using HAP (hourly Analysis Program) ASHRAE, SMACNA, North American building codes, ventilation codes and gas code. Girbaa Tech also assists architects and engineers in designing Plumbing layout, sizing Sanitary, Potable and Storm water management systems and perform plumbing fixture selections based on local plumbing codes.

