



# Architectural, Engineering & Construction (AEC)

Outsourcing Services







## OUTSOURCING - THE CONCEPT

Outsourcing is a business reality for large companies in USA across different functions like IT, finance, customer care, marketing and human resources. Increasingly small and mid-sized businesses are exploring outsourcing to avail of its multiple benefits. Architectural, Engineering & Construction (AEC) outsourcing services is helping many businesses reduce costs and be competitive in the market.

AEC outsourcing services is a relatively new concept in building construction that enables all the stakeholders to share the information and make the whole process more efficient. With the introduction of advanced 3D CAD softwares the construction professionals can now take the 2D design methods into the era of fast and accurate 3D design that offers unprecedented flexibility and freedom to play with designs and shapes.

## WHY OUTSOURCE

Computer aided design (CAD) and drafting offer multiple benefits to Architectural, Engineering and Construction firms such as:

- ❑ **Lower cost of production and documentation** – generate cost savings of 30–50% by outsourcing
- ❑ **Helps you focus on your core competencies and innovate further** – expand without worrying about staffing and training costs
- ❑ **Complementary time zone difference** – We work when you sleep
- ❑ **Staff with at-least four years of experience** in 3D CAD drawing and drafting services to US firms
- ❑ **Flexibility in your staffing levels** – hire us only when you need us
- ❑ **Faster turnaround time** – shorter project delivery times due to process expertise and efficiency

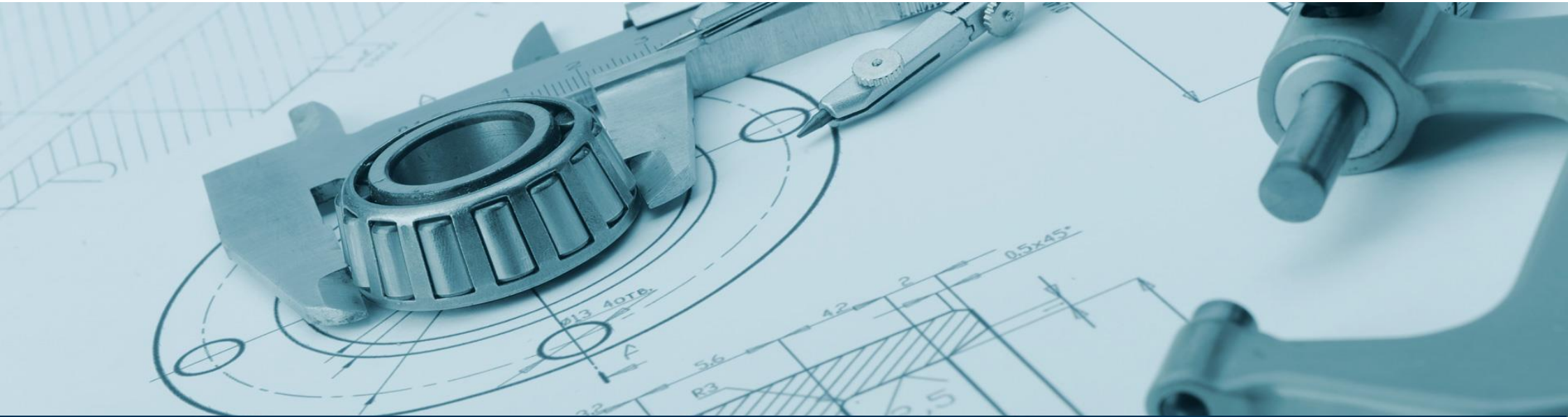
## COST SAVINGS COMPARISON - OUTSOURCING PROCESS

*All figures in USD*

Graphic Designer/Engineer	US Employee	Offshore Cost
Annual Salary	41000	30000
Payroll Taxes (8%)	3280	
Overhead Costs (10%)	4100	
Total Cost	48380	30000

Sr. Graphic Designer/Engineer	US Employee	Offshore Cost
Annual Salary	53000	38400
Payroll Taxes (8%)	4240	
Overhead Costs (10%)	5300	
Total Cost	62540	38400

Outsourcing generates 30%–50% cost savings



# OUR SERVICES

Our expertise lies in virtual design & construction (VDC) and BIM services for residential, commercial, industrial, educational and public building facilities.

## CAD SERVICES

- ☐ PDF/Paper to CAD Conversion
- ☐ Site Drawing
- ☐ Tender / Bid Drawing
- ☐ Construction Documentation
- ☐ 2D to 3D CAD conversion

## VIRTUAL REALITY FOR AEC PROJECTS

- ☐ 2D – 2 dimensions (flat)
- ☐ 3D – 3 dimensions e.g. width, length and height
- ☐ 4D – Adding the aspect of time to a project (phasing/sequencing)
- ☐ 5D – Adding the aspect of cost to a project (cost estimating)
- ☐ 6D – Adding the aspect of energy consumption to a project (accurate energy estimates)
- ☐ 7D – The aspect of Life Cycle Management

## BIM SERVICES

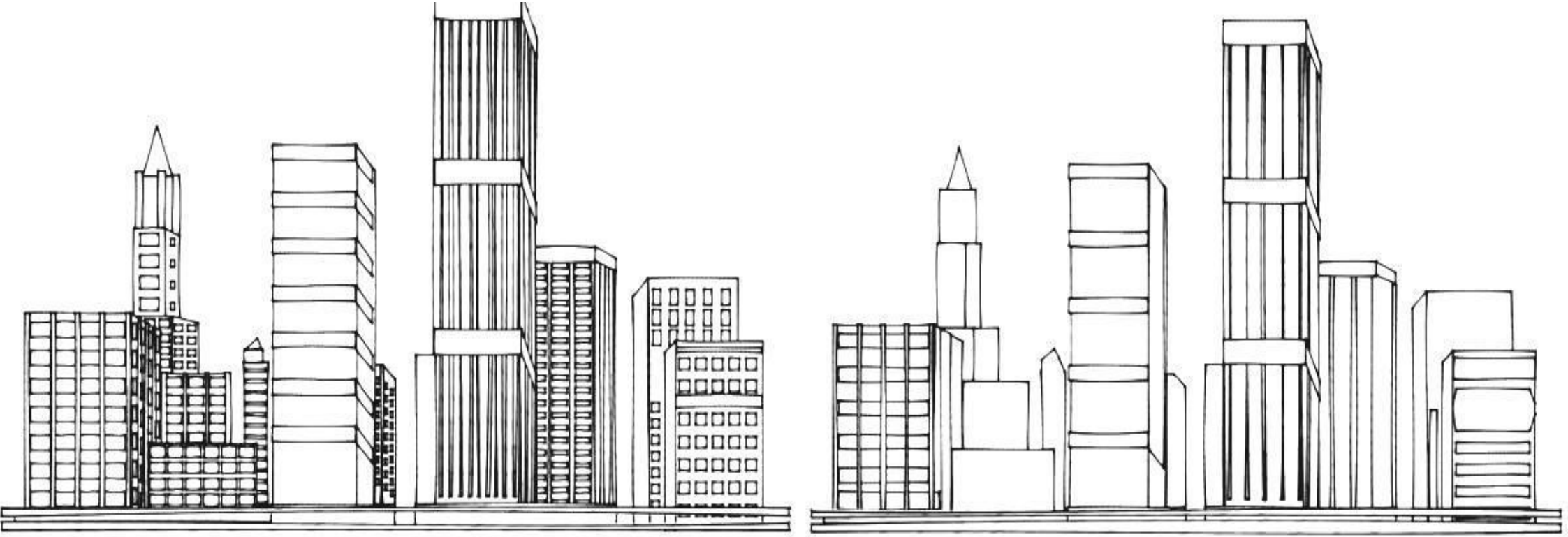
- ☐ Preparation of BIM or 3D models
- ✓ Architectural Modeling
- ✓ Structural Modeling
- ✓ Mechanical, Electrical and Plumbing (MEP Modeling)
- ✓ Signage Modeling
- ☐ Visualization comprising of
- ✓ Image Rendering from 2D or 3D models
- ✓ Walkthrough / Flythrough BIM Models
- ✓ 2D/3D Modeling from site plans or surveys
- ☐ Clash Detection between the elements in the same discipline or different disciplines
- ☐ Model based Quantity Takeoff
- ☐ 4D Phasing – linking the 3D Model with the Project Schedules

# SOFTWARE EXPERTISE

High Expertise across leading Architectural Engineering and Construction Related Software

Software	Type	Expertise Level	Software	Type	Expertise Level
Graphisoft ArchiCAD	ARCH+STR+MEP	High	Bentley Structural Modeler	STR	Medium
Autodesk Revit Architecture	ARCH	High	Tekla Structures	STR	Medium
Bentley Architecture	ARCH	Medium	Autodesk Revit MEP	MEP	High
Autodesk Revit Structure	STR	High	Vico Office Suite	Project Management	High





## OUR EXPERIENCE

Since 2006, we have been serving many real estate and construction companies across United States and Canada.

Following are a few projects we have worked on:

- ❑ Site development of a residential project in Tacoma, Washington – 42,000 sq. ft.
- ❑ Residential building in Puyallup, Washington – 1074 sq. ft.
- ❑ Single family apartments in Woodland, California – 1625 sq. ft.
- ❑ Renovation of a residential building in Puyallup, Washington – 1860 sq. ft.
- ❑ Assisted living homes in Burien, Washington – 1500 sq. ft.
- ❑ Luxury Resort in Burien, Washington – 5028 sq. ft.

**Leading CAD  
and BIM  
service  
provider**

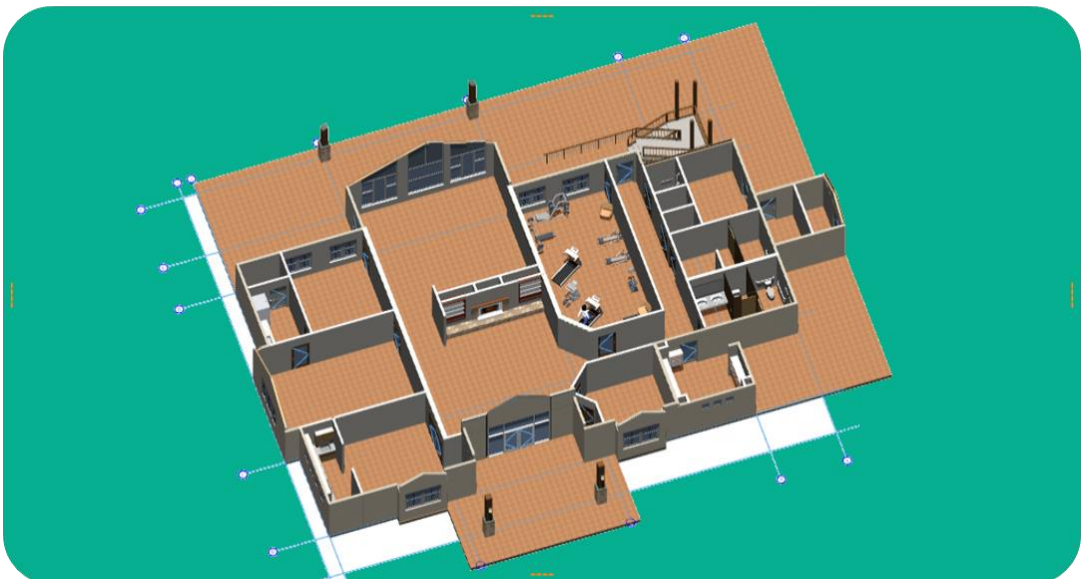
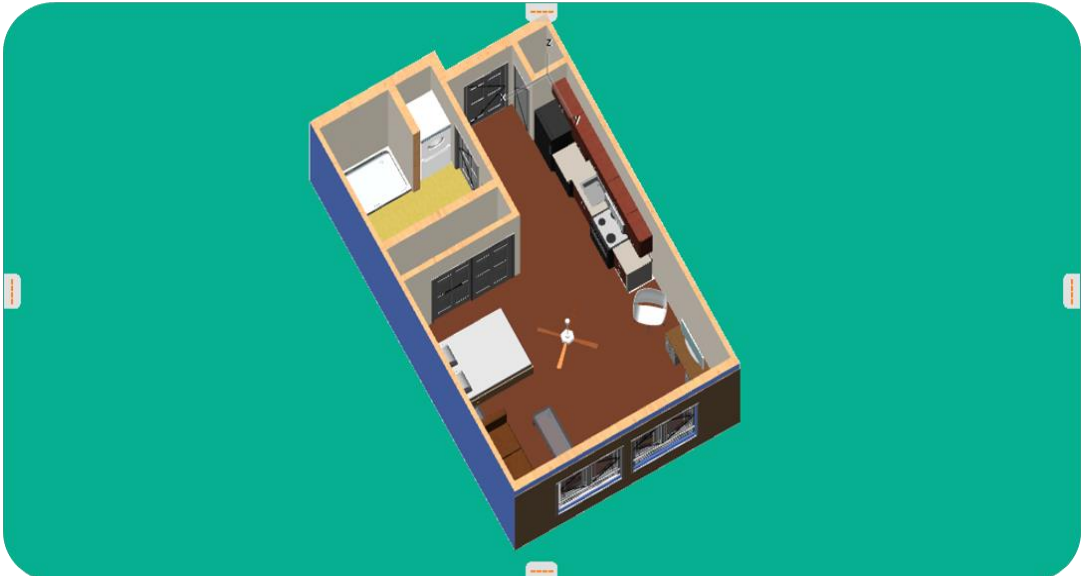
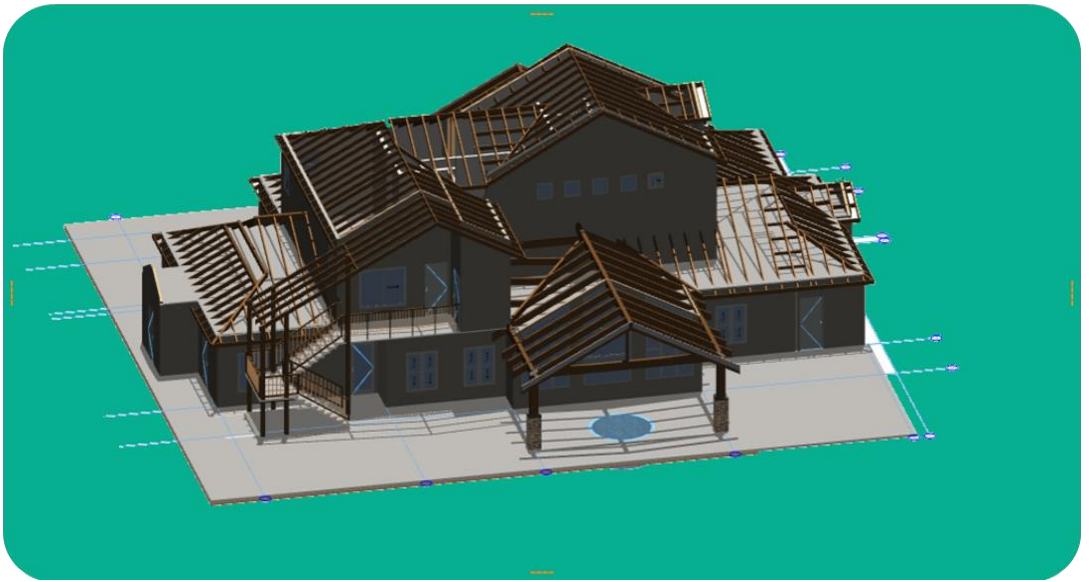
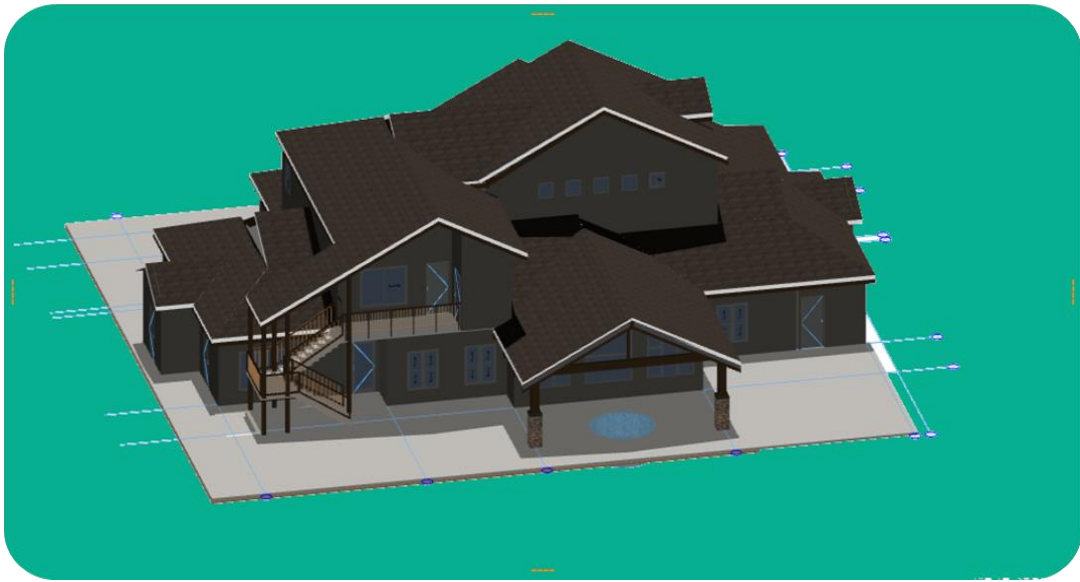
**Experienced  
team of  
Graphic  
Designers and  
Engineers**

**Extensive  
project  
experience in  
USA**

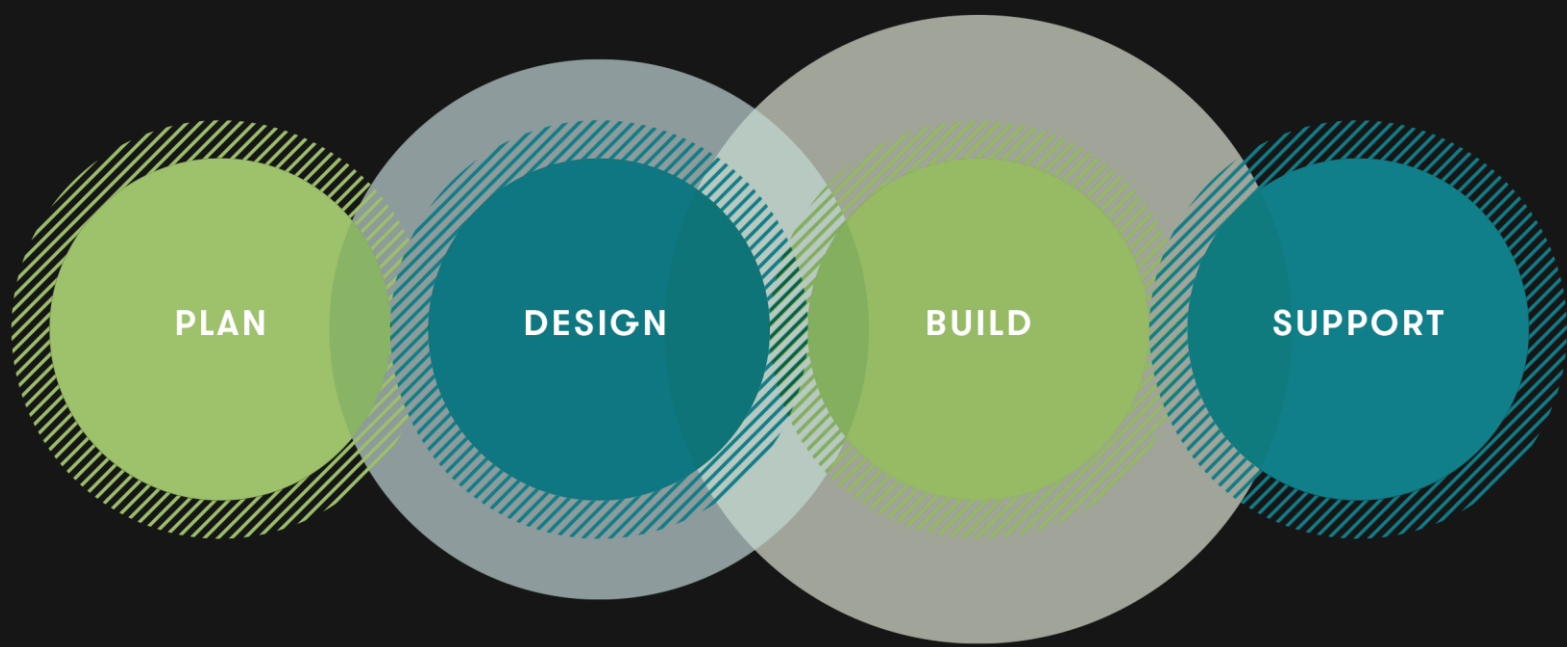
**Team well  
versed in  
American  
standards**



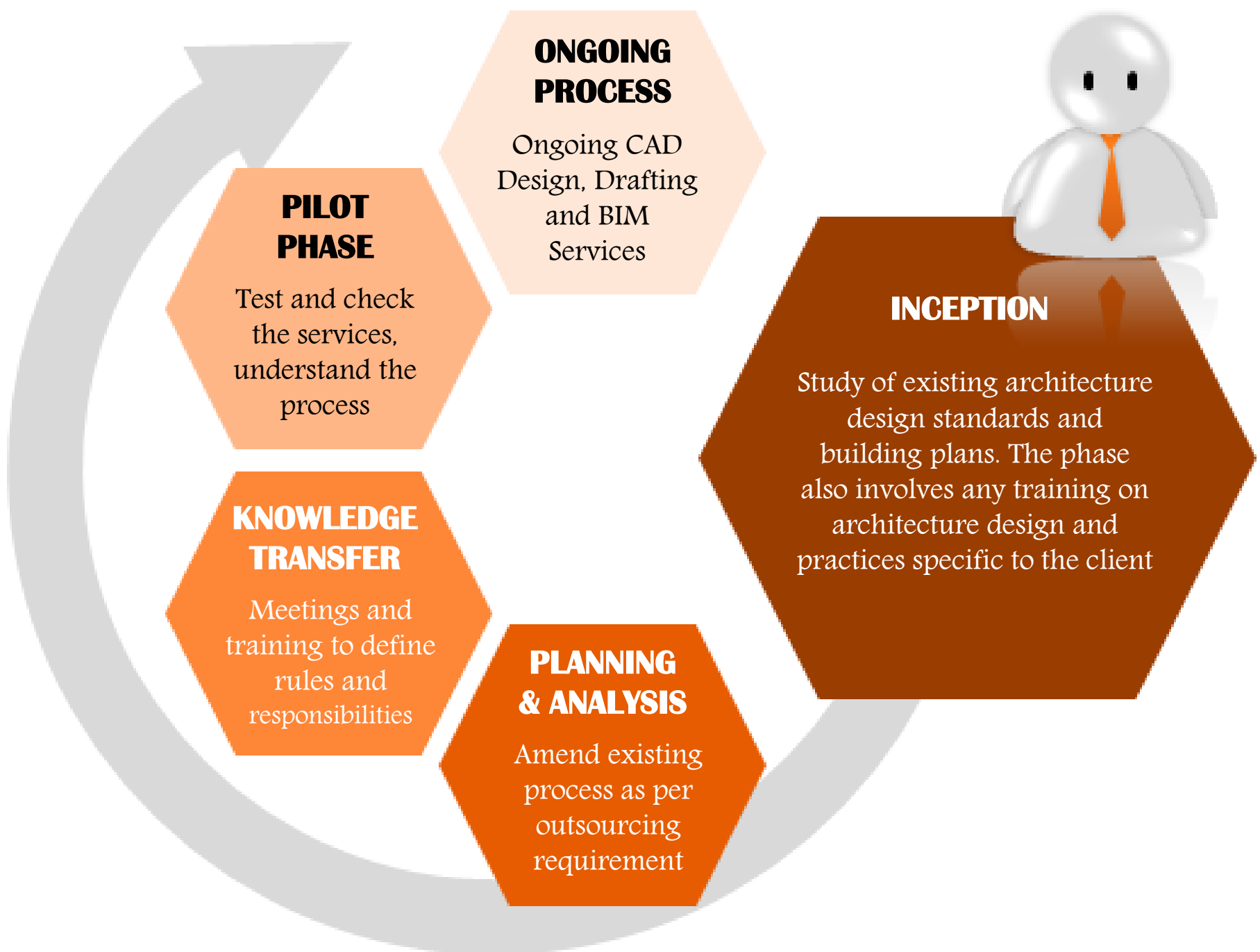
# EXAMPLE







## THE PROCESS





## ABOUT OUTSOURCINGHUBINDIA (OHI)

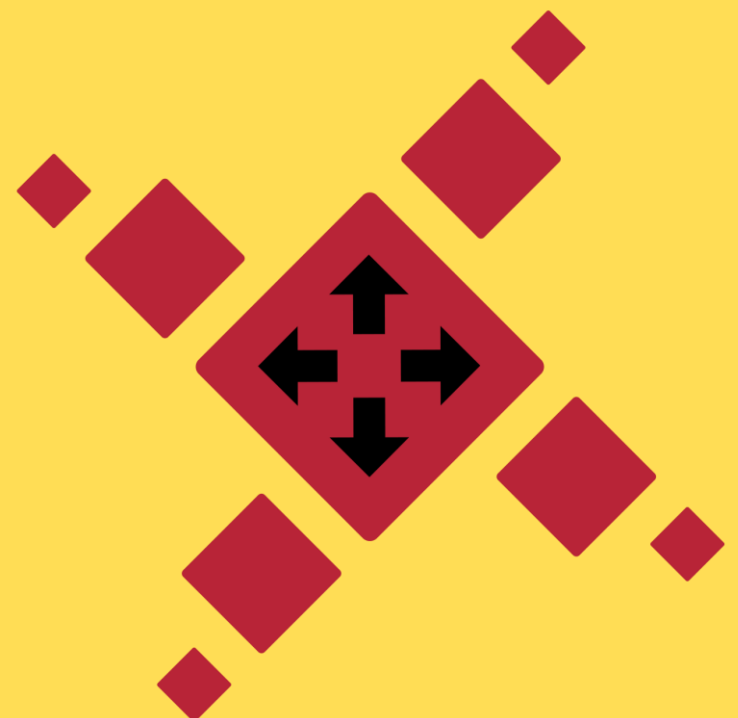
A specialized outsourcing service provider with high domain and real estate industry experience. We have provided outsourcing services to more than **50+ real estate clients** across United States in last **ten years**.

- ❑ Strong delivery team of designers comprising of qualified Architects, Engineers and Cad Technicians
- ❑ Extensive project experience in USA
- ❑ Team well versed in American standards
- ❑ One stop solution for all your CAD and BIM requirements
- ❑ Scalable operations to meet any requirements either through in-house expansion or through our links with other service providers

## INFRASTRUCTURE

Our service delivery is backed by robust and sound infrastructure with an emphasis on building systemic redundancies (back-ups) to ensure smooth and consistent delivery of services. Some of the key highlights are:

- ❑ Spacious 2500 Square Feet office set-up with modern facilities to ensure optimum productivity
- ❑ Uninterrupted power supply (with online battery back-up)
- ❑ Dedicated US based server located in an Ohio based datacenter with automated data back-up
- ❑ Dual monitor computers with latest technology configuration and 2 MBPS leased line and a high-speed backup internet connection
- ❑ Multiple US specific telecommunication facilities – VOIP US fax no., US phone no. (with Voice mail)



# OUTSOURCING

## OTHER SERVICES

OutsourcingHubIndia (OHI) specializes in providing outsourcing services in accounting and human resource too. We have strong functional outsourcing expertise in end to end accounting processes covering daily accounting activities, month end and year-end account finalization processes, employee reimbursements, payroll processing, management reporting and financial analysis. We also provide human resource outsourcing related services, business research and marketing support services.



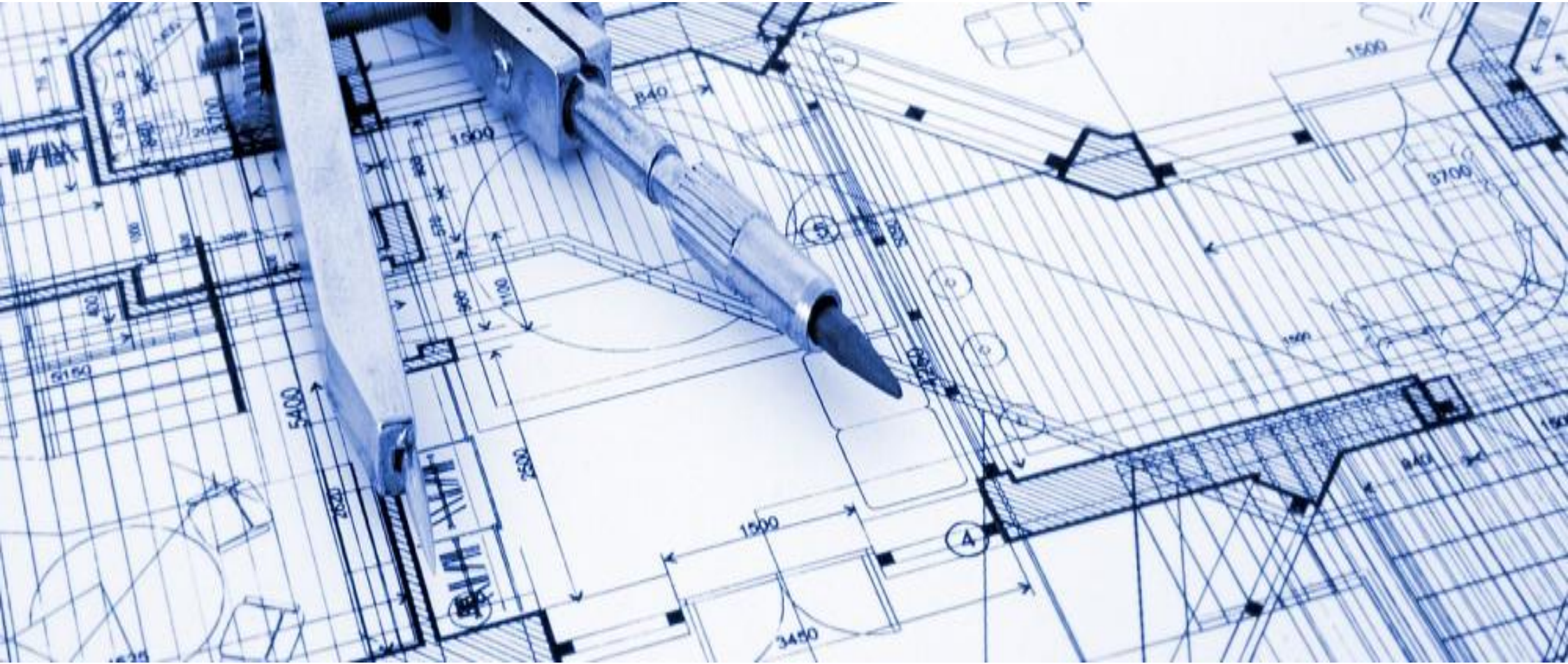
For a detailed description of our services please follow the link–

- ☐ Accounting service for real estate/property management firms [view](#)
- ☐ Accounting outsourcing services for small businesses [view](#)
- ☐ Accounting outsourcing services for mid sized businesses [view](#)
- ☐ Data processing/Bookkeeping services [view](#)
- ☐ Human resource outsourcing [view](#)

## Some of Our Real Estate Clients

1. A mid-sized real estate firm based out of Gardena, CA. They manage properties throughout southern California, Orange County, and Inland Empire.
2. A vertically integrated, full service real estate company based out of Bellevue, WA. They specialize in commercial properties.
3. A well-known real estate firm based in Tampa (FL). They specialize in commercial real estate investment and property management services
4. A full service real estate firm, offering brokerage, construction, and development services. The company is based in Miami (FL)
5. A rapidly growing multi-family real estate firm based out of Tacoma, Washington. They specialize in single and multifamily residential properties





## CONTACT US

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