

# Technology Design-Build

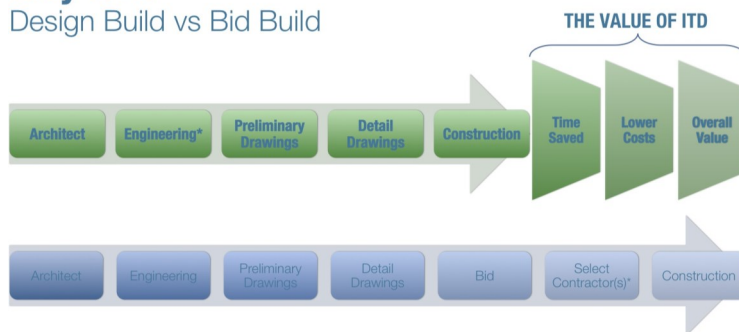
## Integrated Technology Delivery

Vision Technologies specializes in Design-Build technology systems. Our Integrated Technology Delivery (ITD) methodology **significantly reduces change orders and accelerates your project, through effective collaboration and design, saving you time and money.** From the initial concept to post-installation support, our team of experienced engineers work with you to conceptualize and deliver the right technologies, while providing for future growth and changing requirements.

Our highly experienced team (DBIA Design-Build Professionals, RCDD, BIM, CTS/CTS-D, RF, PON) will develop a tailored solution for your property. They will coordinate with the other design teams to develop a solution that maximizes functionality while minimizing changes as the build progresses.

### Why ITD?

Design Build vs Bid Build



Delivering integrated solutions that maximizes the utility of the low-voltage infrastructure, Vision Technologies brings expertise and experience in the following specialties:

- ▶ Audio Visual Systems
- ▶ Security (IP Cameras/ Access Control)
- ▶ Wireless Systems (WLAN and DAS)
- ▶ Low-voltage Cabling
- ▶ Passive Optical Networks (PON)
- ▶ Low-voltage LED Lighting

According to the Design-Build Institute of America (DBIA), design-build is a method of project delivery in which the owner executes a single contract with one entity (design-builder) to provide architectural/engineering services and construction services. Design-build is also known as “design-construct” and “single source” or “single responsibility”. By contrast, with the “traditional” design-bid-build approach, the owner commissions an architect or engineer to prepare drawings and specifications under a design contract, and subsequently selects a construction contractor by competitive bidding or negotiation.

### Considerations for Design-Build (According to AIA and ASCE)

- ▶ Better quality and continuous improvement in project delivery and product
- ▶ Interest in saving time and money
- ▶ Desire to avoid the legal entanglements of adversarial relationships; and to reap the advantages of a cooperative effort
- ▶ Need to realign the responsibilities and risks on a project, by dividing them according to the most capable party
- ▶ Response to the restructuring of American business and government and the increased influence of global markets/foreign competition



**GSA** Contract Holder

GSA Connections II Contract # GS00Q12NSD0011  
GSA Schedule 70 Contract # GS35F-0581R  
GSA Schedule 84 Contract # GS07F-161DA  
GSA VETS GWAC Contract # GS06F-0535Z

**A Service-Disabled Veteran Owned Small Business**



**(866) 746-1122**

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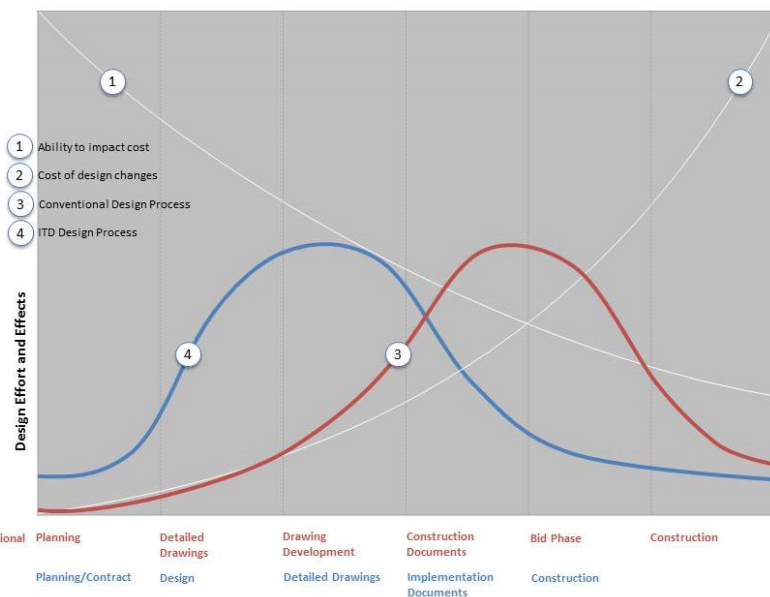
## Integrated Technology Delivery

### Benefits of the Design-Build Process

**Singular Responsibility.** With both design and construction in the hands of a one organization, Vision Technologies remains accountable for quality, cost and scheduling. Vision's Integrated Technology Delivery (ITD) team is responsible for quality, budget, schedule, and performance of the completed facility. Conflicts between design and construction are our responsibility, not the owner's. The owner is able to focus on the scope of work and timely decision-making.

The aggregate benefit of these advantages come at considerable risk to the design-builder but will generally translate into far greater value to the owner than that traditionally available. Correspondingly, a design-builder's reward should reflect a portion of the greater risk assumed and value created.

*Our ITD process (4) minimizes cost, accelerates the construction process, and delivers the desired results in less time.*



**Cost Savings.** Our design and construction personnel, working and communicating as a team, evaluate value-engineering designs, materials, and methods efficiently and accurately. Value engineering and constructability are utilized continuously and more effectively when the designers, contractors and vendors work as one during the entire design and construction process.

**Time Savings.** Because design and construction are overlapped (and because bidding periods and redesign are eliminated), total design and construction time can be significantly reduced. Design-build is ideal for the application of "fast track" construction techniques without associated risks to the owner. Materials and equipment procurement and construction work can begin before construction documents are fully completed. The time savings results in lower costs and earlier occupancy of the facility.

**Early Knowledge of Firm Costs.** Guaranteed construction costs are known in advance compared to traditional processes. Vision Technologies is responsible for design and simultaneously estimating construction costs, enabling us to accurately conceptualize the completed project at an early stage. Design-build can afford you with one or more "go, no-go" decision points during the design phases. The decision to proceed with the project is made with firm knowledge of the final cost and scope.



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