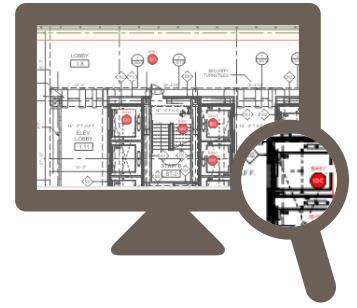


# INTERDISCIPLINARY DOCUMENT COORDINATION AND BUILDING INFORMATION MODELING ENSURING THE SUCCESS OF YOUR FACILITY WITH TWO POWERFUL TOOLS



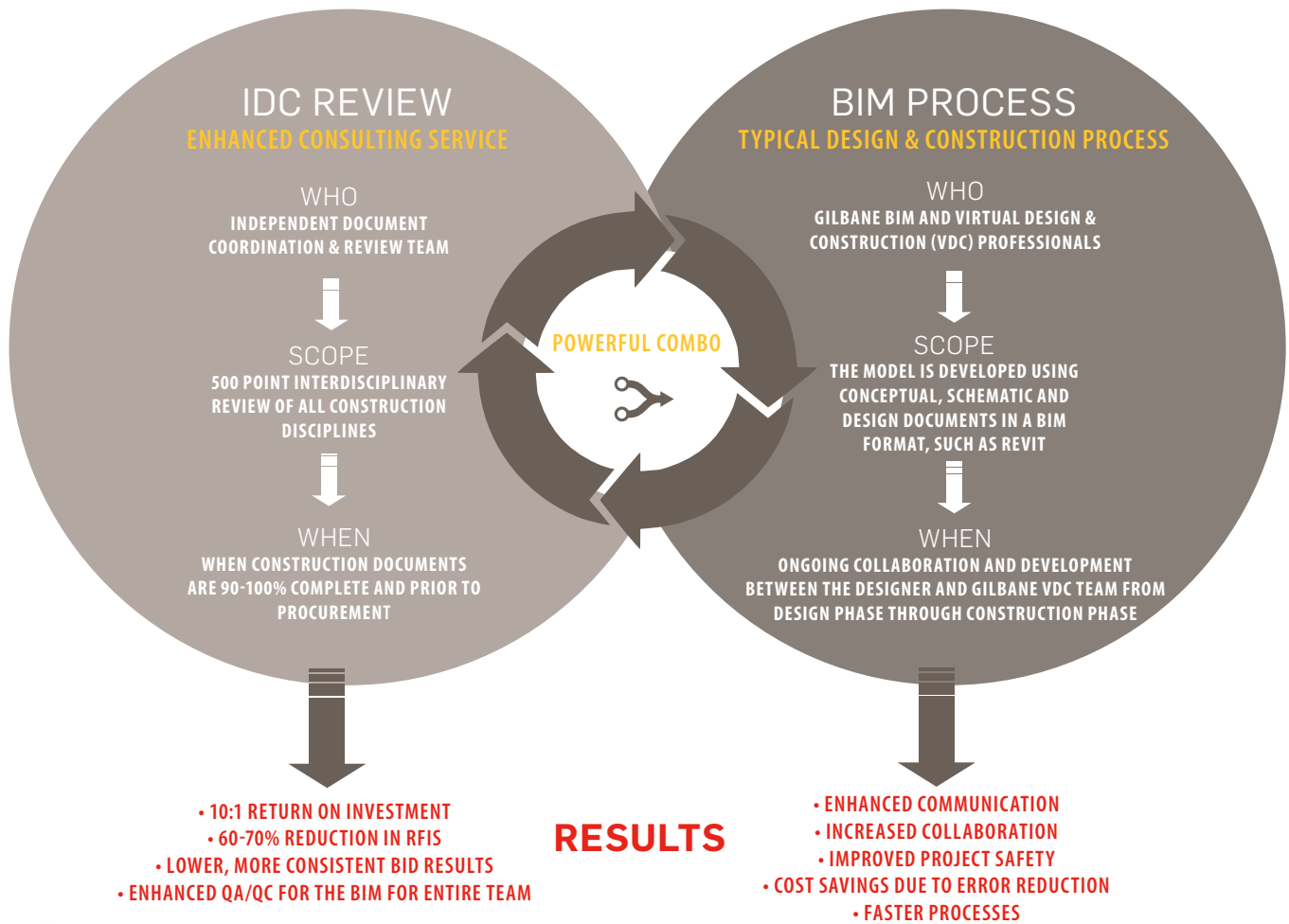
We want to make your facility project as smooth and easy as possible in the following ways:

- *Mitigating risk*
- *Reducing needless requests for information*
- *Reducing change orders*
- *Improving relationships among owners, architects, and contractors*



## IDC AND BIM | UNDERSTANDING THE ROLES AND MAXIMIZING THEIR VALUE

Gilbane's IDC and BIM teams each offer tremendous benefits to you as you prepare for your facility construction program - IDC through its comprehensive review of the construction documents and BIM through its detailed modeling, clash detection, and creation of a living model that can be used throughout the life of the building. Each service addresses very different issues and together they make a **powerful combination**.



### IDC AND BIM COORDINATION ADDS VALUE | Cleveland Clinic Data Center - Cleveland, OH

#### Utilizing IDC and BIM throughout the project reduced RFIs and provided savings

Gilbane provided integrated visualization Building Information Modeling (BIM) and IDC for the new Cleveland Clinic Data Center. In addition to steel, MEP, and Building Management Systems (BMS) coordination, the Cleveland Clinic utilized the visualization models to ensure proper access to equipment and valves and determine accurate equipment placement. The IDC Review was able to identify the aluminum jacket insulation pipe insulation requirements at penetrations that are not addressed within the project manual specifications.



#### BENEFITS OF ENHANCED SERVICES:

The Interdisciplinary Document Coordination (IDC) review process included an early code compliance audit and a detailed approach to the drawing review, and utilizing BIM. This approach resulted in a **60-70% reduction in RFIs and lower and more consistent bid results**.

- › On-site office dedicated to collaboration allowed Gilbane and the contractors to collaborate daily to quickly resolve issues
- › Prefabrication through BIM provided savings through field installation costs and expedited the schedule and saved approximately \$525,000
- › The final 3D record model is tied to the Clinic's O&M manuals allowing the Clinic facilities team to easily access specific equipment specs and location now that the building is operational
- › With the use of the IDC Review over 520 issues were identified to the team

*The use of BIM and IDC resulted in over  
**\$1 million in savings!***

