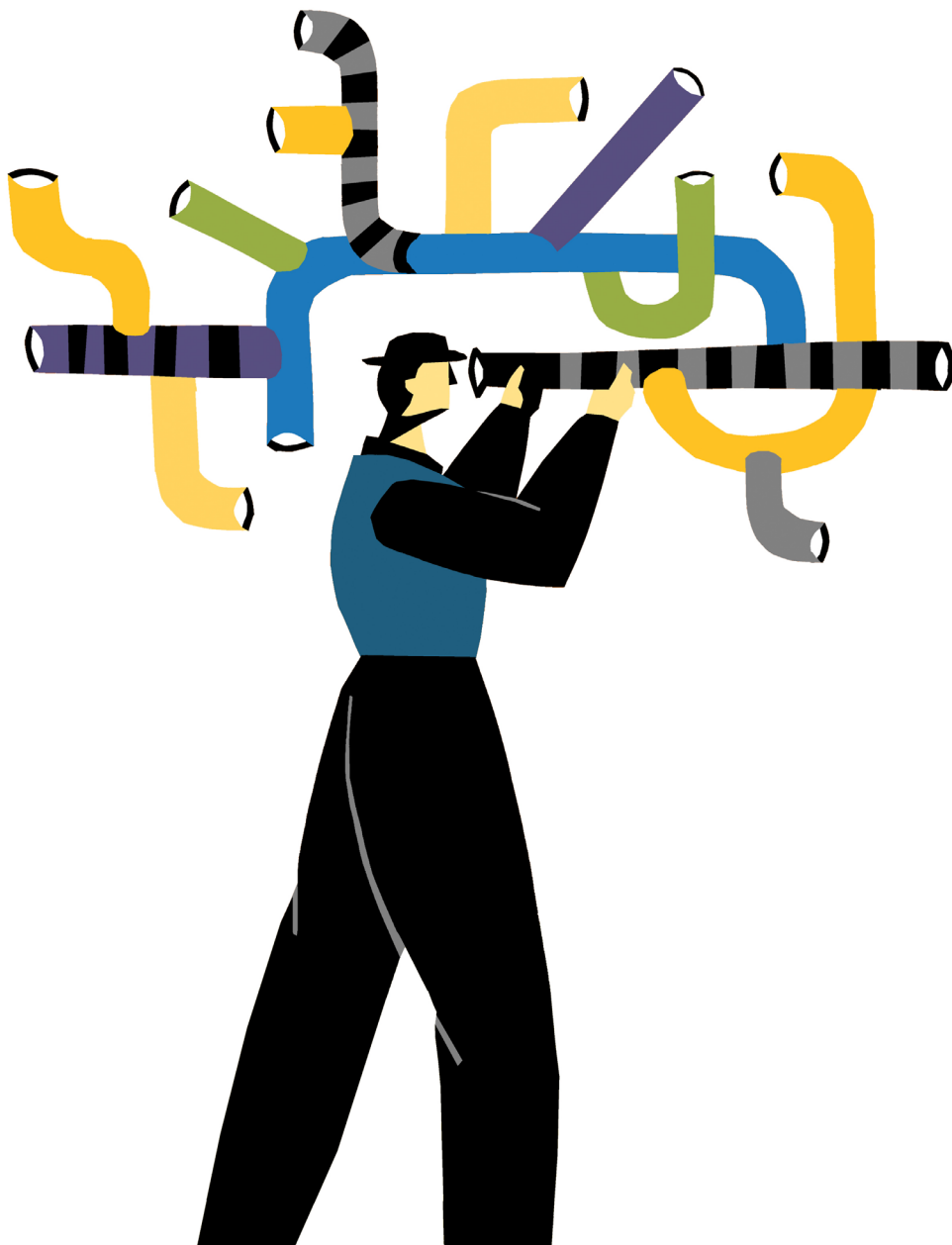


NAVIGANT

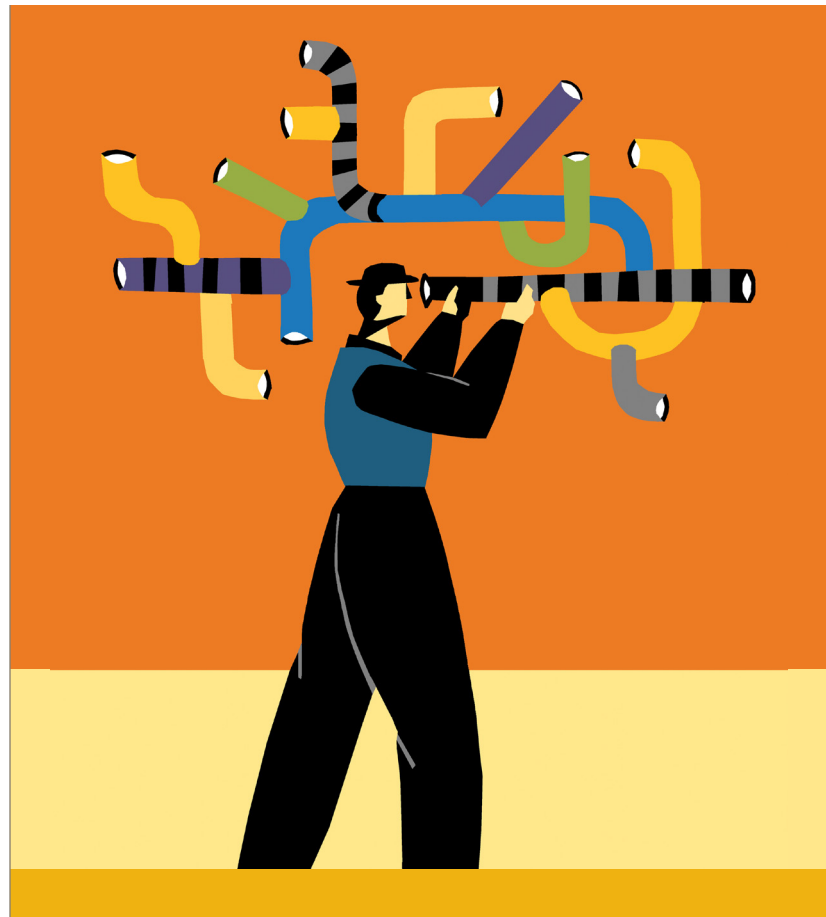
Global Construction Practice

Advance with Foresight

Building Information Modeling (BIM)



About *Navigant (NYSE: NCI) is a specialized, global expert services firm dedicated to assisting clients in creating and protecting value in the face of critical business risks and opportunities. Through senior level engagement with clients, Navigant professionals combine technical expertise in Disputes and Investigations, Economics, Financial Advisory and Management Consulting, with business pragmatism in the highly regulated Construction, Energy, Financial Services and Healthcare industries to support clients in addressing their most critical business needs.*



Navigant's BIM professionals combine the best of both worlds – "dirty boots" design, construction, and facilities knowledge with hands-on experience in implementing the latest BIM tools, technologies, and methodologies. Our comprehensive BIM services span the project lifecycle to meet the needs of various stakeholders. From product manufacturers, to owners, developers, architects, engineers, contractors, fabricators, facility managers, and attorneys, Navigant's experts are ready to assist with enabling the efficiency and ROI associated with BIM.

*lead with experience.
expect results.*

THE CHALLENGE

POSITIONING BIM BUILDING PRODUCTS EFFECTIVELY

THE SOLUTION

A global manufacturer of EIFS, cladding and coating systems was looking to enhance and better position their product offering in the BIM marketplace. Our consultants developed a comprehensive BIM program aimed at driving sales and capturing market share. We assisted the client's internal cross-departmental team with: prioritizing product positioning, reporting on existing customer base BIM expectations, and developing a proprietary go-to-market BIM delivery tool. Our involvement was instrumental in enhancing the client's BIM offering and aligning delivery of BIM data across global markets.

THE CHALLENGE

ASSISTING HEALTHCARE OWNERSHIP WITH BIM

THE SOLUTION

A major healthcare organization was looking to implement BIM across their entire enterprise. Using a one million sq. ft. medical tower pilot project, Navigant developed a comprehensive BIM strategy and roadmap. We drafted and then enforced the project's BIM Execution Plan and a series of Project Control documents to ensure compliance and track ROI. In response to the Owner's mandate to leverage BIM for facilities management, we worked with the client's existing FM software providers to enhance data exchange. Navigant was instrumental in simultaneously educating the owner on BIM best practices across the enterprise and delivering results on a real-time project.

THE CHALLENGE

ADVISING COUNSEL ON BIM

THE SOLUTION

A large construction management firm (CM) was presented with a Request for Equitable Adjustment related to BIM cost overruns on a major healthcare facility. The CM's counsel engaged Navigant to review the Request and prepare a summary report. Utilizing our in-depth understanding of BIM technology, processes, and trade-specific workflows, Navigant was able to expose potential weaknesses and possible overstatements in the original Request. Our report was used by counsel in strategizing their go-forward plan.



www.navigant.com/BIM

About Navigant's Global Construction Practice

We work with owners, contractors, providers of capital and their counsel to proactively manage large capital investments through our advisory services and to manage the risks associated with the resolution of claims on those projects, with an emphasis on the infrastructure, healthcare and energy industry.

115 Dedicated Construction Consulting Professionals. Located in North America, South America, Europe, the Middle East and Asia.

- » Professional Engineers
- » Certified Business Appraisers
- » Certified Cost Engineers
- » Certified Quantity Surveyors
- » Certified Fraud Examiners
- » Certified Management Accountants
- » Certified Public Accountants
- » Chartered Financial Analysts
- » Licensed Architects
- » Licensed Real Estate Professionals

Navigant's comprehensive suite of BIM services span the lifecycle of the project and include a variety of model types and products. Our consultants work with our clients to determine the most appropriate products for each engagement to help them recognize the greatest return on their BIM investment. The following list highlights our BIM products organized within the project lifecycle:

Pre-Construction Services

- » Presentation Models
 - > Site Utilization
 - > Installation Sequencing
 - > Value Engineering Alternates
- » Model-Based Estimates
- » Model-Based Schedules
- » Constructability Reviews
- » Contract and Risk Management Structure
- » Model-Based Collaboration
- » Design Change Management

Project Management and Controls

- » Virtual Mock-Ups
- » Coordination Drawings for Self-Performed Work
- » Model-Based Schedule Updates
- » Productivity Tracking and Forecasting
- » Space Coordination Accountability
- » Material Tracking and Management
- » Project Status and Cost Projections

Facilities Management

- » As-Built Model
- » Model-Informed Operations and Maintenance Programs

BIM Litigation Support

- » As-Planned vs. As-Built Models
- » Model-Based Schedule Analysis
- » Construction Sequence Simulations
- » Forensic Modeling