



**Building
Group**

It's All About People.

LIFE SCIENCES

Providing Solutions, Delivering Results.



WHAT SETS US APART

- ▶ Safety Culture
- ▶ Experienced | Dedicated Professionals
- ▶ Industry-Specific Expertise
- ▶ On-Time | On-Budget Results
- ▶ Virtual Design + Construction Technologies Driving Economies and Speed
- ▶ Repeat Client Relationships
- ▶ Superior Sustainability

\$3 billion

in projects for
Life Sciences clients,
including
Biotech, Pharma, and
Cell + Gene Therapy

FUJIFILM Diosynth Biotechnologies USA
Research Triangle Park, NC

MISSION

To safely build complex projects anywhere and develop lasting relationships with our customers by consistently exceeding expectations.

VISION

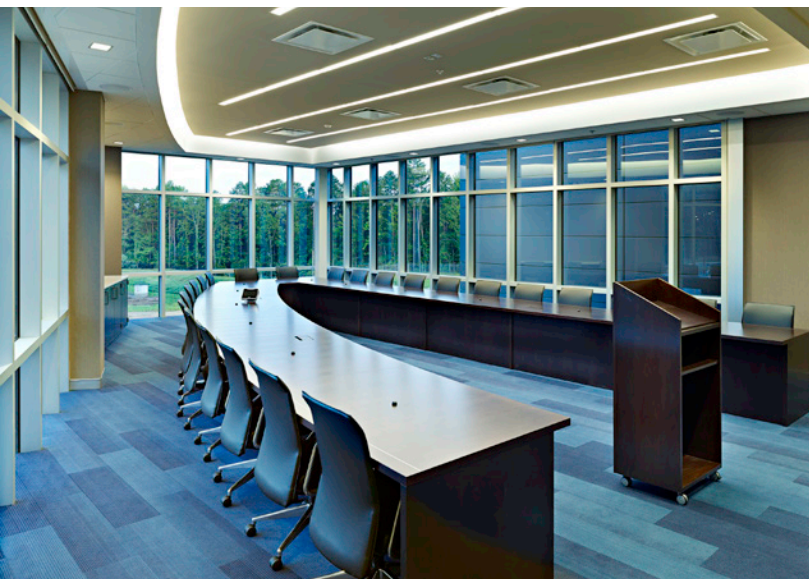
To be the best construction services provider in every market we serve and create a legacy of excellence for our people.

GUIDING PRINCIPLES

- ▶ Innovation
- ▶ Extreme Customer Service
- ▶ Operational Excellence

CORE VALUES

- ▶ Integrity
- ▶ Teamwork
- ▶ Respect
- ▶ Discipline
- ▶ Accountability
- ▶ Social Responsibility



SERVICES

- Integrated Project Delivery
- Design-Build | Design-Assist
- Construction Management
- Preconstruction

WHO WE ARE

Award-Winning Facilities Recognized by
Engineering News-Record (ENR) and
Associated Builders & Contractors (ABC)

Proven Relationships with Leading
Life Sciences Developers and Designers

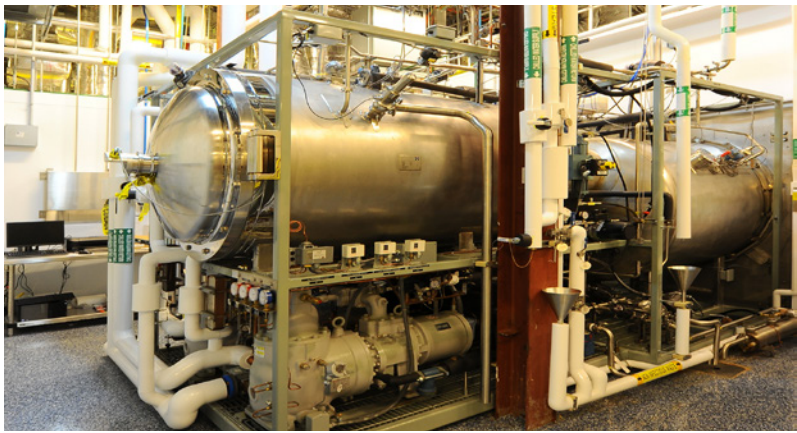
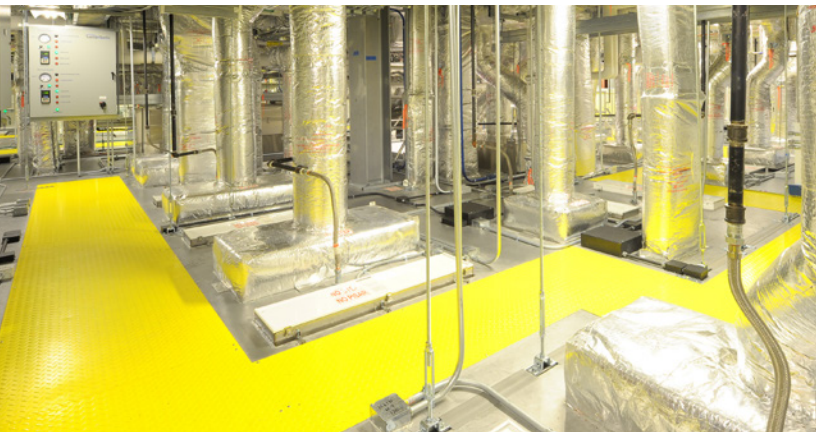
Top ABC "STEP" Award Recipient
Outstanding Safety Program
2006 – Present

Dedicated to Sustainable Construction
More Than \$3 Billion in LEED and
Green Globes Projects
Platinum, Gold, Silver, and Certified

SPECIALIZED EXPERTISE



Seqirus
Holly Springs, NC



Invitae
Morrisville, NC



Monsanto Company
Research Triangle Park, NC



Medicago
Research Triangle Park, NC





Life Sciences
expertise ranging
from R+D Labs and
BSLs, to today's most
complex Biotech,
Pharma, and Cell-
and Gene-Therapy
facilities



Confidential Client Biomanufacturing Facility
Durham, NC



Texas A&M University
Commerce, TX



Novo Nordisk
Clayton, NC



Drug Enforcement Administration
Miami, FL



BASF Corporation
Research Triangle Park, NC

VIRTUAL DESIGN + CONSTRUCTION TECHNOLOGY

RESULTS + BENEFITS

Virtual Design + Construction (VDC) technology enables a better way of delivering capital projects, making informed decisions, enhancing collaboration, and producing more accurate data. It brings clarity + certainty to the most demanding projects through:

- ▶ Faster precon cycles to better understand cost + schedule
- ▶ Visual planning to support communication
- ▶ Reduced field issues through comprehensive modeling
- ▶ Reduced schedules due to advanced planning + quality management
- ▶ Higher ROIs through technology

PROJECT DOCUMENTATION + PROJECT MANAGEMENT

PROCORE

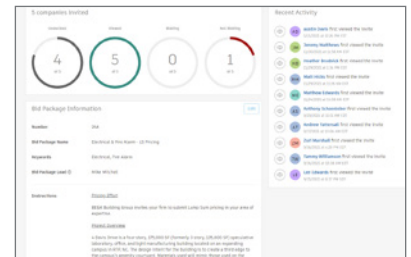
A construction management platform that provides project stakeholders with easy access to current information. Enhances collaboration by providing a central location for all drawings, RFIs, submittals, and documents, specific to safety, cost control, quality control, and schedule validation.



TRADE PARTNER SOLICITATION

BUILDINGCONNECTED + TRADETAPP

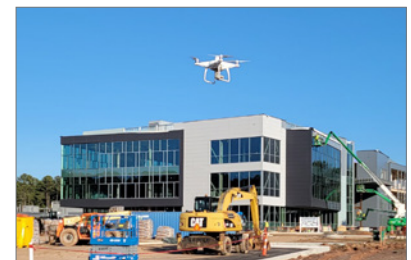
Centralized solution for comprehensive bid solicitation and bid management coupled with a trade partner prequalification tool providing benchmarked contractor financial, capacity, and safety performance reviews to mitigate risk.



AERIAL DRONE IMAGERY

DJI + DRONEDEPLOY

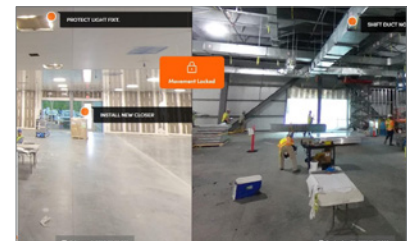
From site selection to ribbon cutting, manage, measure, and monitor projects with drone imagery. Apply technology to create consumable and sharable drone maps, 3D models, and project photos. Utilize advanced aerial photogrammetry to create 3D topography maps providing volumetric analysis for accurate site condition evaluations and measurements.



JOBSITE PHOTO DOCUMENTATION

STRUCTIONSITE

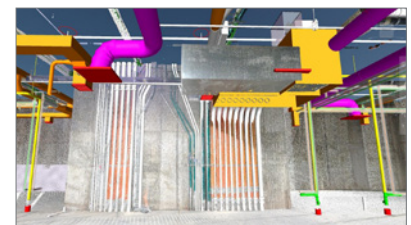
Use standard and 360° photography to capture jobsite progress photos, track installed work, and communicate with teams. Make meetings more efficient by reviewing up-to-date conditions. Walk the jobsite from your phone, iPad, or laptop. Know exactly what's been installed and where. Share PDFs of floor plans linked with respective progress photography that work completely offline.



REALITY CAPTURE (LASER SCANNING)

FARO

Capture an accurate point cloud to create exact 3D maps of existing conditions, installed work, and as-built conditions. Link point clouds to the project's coordination model to validate design, check floor flatness, verify locations of installed work and equipment, and identify variances. Efficiently correct any issues in the support of overall project quality. Assists with preconstruction, logistics, coordination, installation tracking, and as-built deliverables.

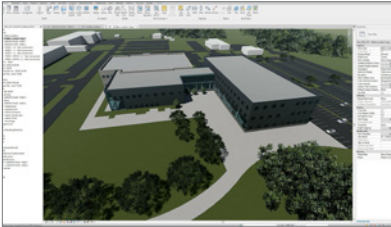


APPROACH

PEOPLE — We have a deep bench of industry-leading, technology-focused experts.

TECHNOLOGY — We provide hand-selected software applications customized for each project.

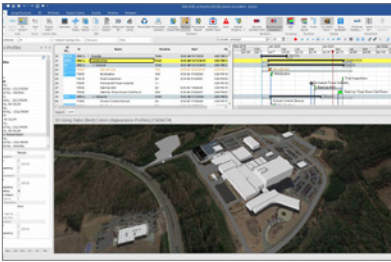
OPERATIONAL EXCELLENCE — From preconstruction through construction, we provide a collaborative environment to help plan and drive design and construction decisions through option analysis, financial modeling, and risk management. Throughout the project lifecycle, we provide technology specific to serve each project's unique requirements.



PROJECT 3D MODELING

REVIT + INFRAWORKS

Create 3D models for site logistics, planning, and communication. Generate highly detailed virtual mock-ups to test scope detail and validate installation sequences. Produces a detailed digital copy of the project to coordinate systems and resolve issues before field fabrication and installation.



VISUAL SCHEDULING + LOGISTICS PLANNING

SYNCHRO

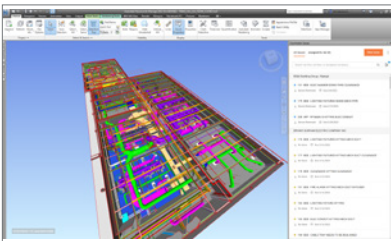
Use project models to create, manage, visualize, and track project schedules. Generate sequence animations, review construction plans, identify opportunities for improvement, simulate construction activities, and optimize project schedules.



AUGMENTED REALITY (AR) + VIRTUAL REALITY (VR)

ENSCAPE

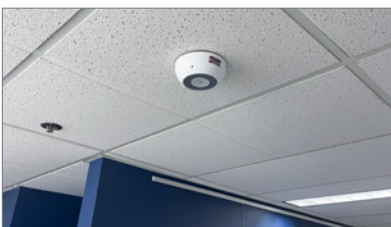
Communicate design with greater clarity whether in the office or on a jobsite. Helps teams run QA/QC, find coordination issues, and validate designs through the use of immersive + photorealistic digital environments.



3D SYSTEMS COORDINATION + ISSUE MANAGEMENT

NAVISWORKS

Build your project virtually first, get it right, and then build it in the field. Manage the federated models from designers and subcontractors to identify, track, and report on constructability issues and clashes. Enhances the coordination effort through persistent collaboration focused on identifying real issues and working toward quick, iterative resolutions to safeguard the overall health of the project.



JOBSITE ENVIRONMENTAL MONITORING

MODEL-BASED QUALITY CONTROL (MBQC)

Full site, 24/7 monitoring for temperature, humidity, carbon monoxide, VOCs, particulates, noise, light, and pressure. Designed to detect unsafe environmental working conditions and potential risks to installed scope in real time. Drill into data by floor or area, customize reporting, and create custom alerts for your mobile device. Creates a historical record of the conditions of your project.

Building
award-winning
facilities for
notable
clients

REPRESENTATIVE

Life Sciences Clients

Alcami
Alexandria Real Estate Equities
American Type Culture Collection
Atsena Therapeutics
BASF
Baxter
Bayer CropScience
Bell Northern Research
Beam Therapeutics
Biogen
bluebird bio
CEL-SCI
CryoLife
CSL Behring
Curia

Diosynth Biotechnology
Drug Enforcement Administration
FUJIFILM Diosynth Biotechnologies
GlaxoSmithKline
ImagineOptix
Invitae
IVAX
King Street Properties
Lilly
Locus Biosciences
Mayne Pharma
Mispro Biotech Services
Medicago
Monsanto Company

North Carolina Department of Health
and Human Services
Novartis Vaccines and Diagnostics
Novo Nordisk
Novozymes
PCS Health Systems
Pfizer
Reichhold
SCYNEXIS
Seqirus
Syngenta
TEVA
Thermo Fisher
Twin City Bio
VGXI

Mayne Pharma
Greenville, NC



Locus Biosciences
Morrisville, NC

University of Florida
Orlando, FL



University of North Carolina
Chapel Hill, NC





**Building
Group**

bekbg.com

Chicago

Greenville

Houston

Research Triangle Park