



INTELLIGENT  
DesignBuildOperate



# TRANSFORMING THE **DESIGN-BUILD-OPERATE** LIFECYCLE

## A More Intelligent DBO Solution For:

- Architecture
- Design and Detailing
- General Contractors
- Project Management
- MEP Trades
- Workplace
- Structures
- Real Estate

*BuildingPoint Pacific is more than just California's leading vertical construction technology provider, we are your main point of contact for integrated office solutions, field technology hardware and an array of professional services including: training, scheduling, estimating, implementation and scanning.*

*We are the authorized distribution partner in California and Hawaii for the Trimble Buildings Portfolio of products. Our Design-Build-Operate solutions combine a host of hardware, software, and field technologies to help industry professionals do their jobs more efficiently. Using cloud-based platforms, we streamline communication and collaboration, effectively connecting workflows into an integrated work process.*

*From every stage of the DBO life cycle—planning, design and site preparation through to the finished project—every stakeholder is able to share, review, coordinate and comment on data-rich building models. Anywhere. Anytime.*



## Office Solutions



*Expedite data processing and streamline construction workflows with your choice of office solutions to best fit your needs. Completely integrated systems allow you to efficiently analyze your data and create your client deliverables.*

**Prolog** is a construction project management software that includes cost control, document management and field administration, providing a complete system of record for managing project information. Prolog is built for project teams responsible for the successful delivery of projects and who are accountable for construction costs, scope and schedules from design to closeout. The Prolog solution allows contractors and their teams to work online or offline, in the office or out in the field on mobile devices.

**Vico Office** delivers a different way of working with BIM models. Used for much more than visualization, Vico Office extends the basic 3D model with constructibility analysis and coordination, quantity takeoff, 4D location-based scheduling and production control, and 5D estimating. WinEst allows you to easily create, manage and integrate detailed project estimates, using cost-knowledge management, to increase productivity and customize essential documents.

**Trimble® GCEstimator™ Suite** incorporates best-of-breed estimating and takeoff solutions. It is designed to increase efficiencies, win more work, and maximize the profitability of projects before, during and after construction. With a single knowledge base that captures your company's estimating

methods, your work will be delivered faster and with absolute confidence.

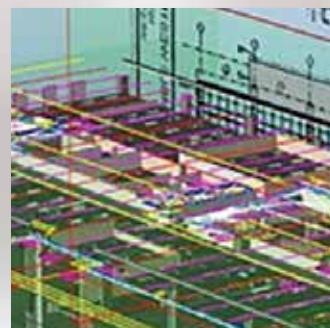
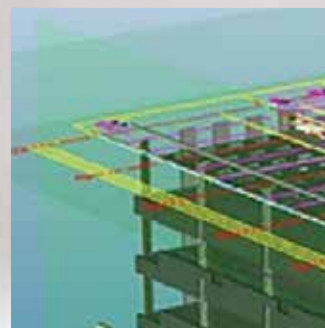
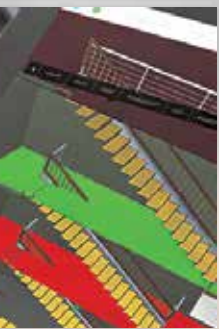
**Modelogix** produces conceptual estimates based on historical data quickly and accurately. The value in your historical data enables more predictable capital, project planning and feasibility studies.

**Tekla Structures** is Building Information Modeling (BIM) software that enables the creation and management of accurately detailed, highly constructible 3D structural models regardless of material or structural complexity. The models can cover the entire building process from conceptual design to fabrication, erection and construction management.

**Tekla Structural Designer** provides an innovative approach to modeling by combining analysis and design into a single, seamless process. Sophisticated loading and analysis functionality, fully automated design, high-quality documentation, and seamless BIM collaboration allow engineers to more efficiently and cost-effectively analyze and design multi-material buildings.

**Tekla BIMsight** is BIM software for model-based project collaboration. You know exactly what is being proposed in the project in detail. You can communicate your ideas and access structural, MEP and all relevant information.

**Trimble® Connect** is a powerful cloud-based collaboration platform that empowers teams involved in the design, construction and operation of buildings. Trimble Connect streamlines workflows and transforms collaborative processes, allowing teams to access, analyze, manage and share project data from anywhere at any time. As a hub for Trimble Buildings' portfolio of Design-Build-Operate (DBO) technologies, Trimble Connect enables seamless interoperability for designers, builders, and owners/occupiers—while also providing benefits to teams involved in site preparation and management.



## Field Solutions

*In the new BIM-centric project workflow, translating design intent to the field with speed and ease is a key component to improved productivity.*

**Trimble® Robotic Total Stations** (RTS771, RTS773, RTS873, RTS655) are designed for general and specialty contractors that require quality, accuracy and optimum field performance. Lay out control points, control lines, complex concrete forms and anchor points faster and easier than ever before. Easily collect topographical data and import it into third-party software for elevation and cut and fill analysis.

**Trimble® Rapid Positioning Tool** (RPT600) with the included Trimble Field Link 2D software, measures distances and finds positions on the construction job site. It's a tool designed and engineered to meet all your unique layout needs including: stub-ups, hangers, equipment pads, and cable trays. With paper plans or digital designs, the RPT600 meets the unique demands of every job.

**Trimble® R8 GPS Receiver** combines industry-leading GPS receiver technology with numerous innovative features designed to improve performance and productivity in the field. Bluetooth wireless communication between the receiver and controller makes the rover 100% cable-free and allows you to choose the option that best suits your needs: a 450MHz internal radio or a built-in GSM module for mobile phones.

**Trimble® TX8 3D Scanner** sets new standards for performance and ease of use in high-speed 3D data collection. Using a state-of-the-art blend of speed, long range and precision, the TX8 delivers high quality results in industrial measurement, engineering, construction, forensics and other applications that require high levels of accuracy and flexibility.



**Trimble® DPI - 8 Handheld Scanner** provides you with dimensional, measurable and shareable datasets your team can trust. Whether it's capturing difficult-to-reach areas on the job site or just keeping one hand free for stability, the DPI-8's high-resolution camera, powerful Android tablet and direct integration into Trimble RealWorks, enables users to augment existing static scans with data from areas and angles that are only accessible with a handheld scanning solution.



**Trimble® Field Link** features task-based workflows, customizable views and a touch screen user interface designed to optimize the information presented, and extends field layout capabilities. In addition to the advancements made in performing layout specific tasks, it adds reporting routines to record and track layout productivity as well as the ability to document existing site conditions.

**Trimble® Field Link 2D Office** offers you a simple alternative to prepare data for superfluous field layout work without need for a complicated CAD software. Import 2D or 3D CAD files to create layout points directly from the model line work, export data to your field tablet for use on the jobsite, and easily transfer data between the office and the field using the Trimble Connect interface built directly in Trimble Field Link Office.



**Trimble® Field Points** is designed for the general contractor utilizing CAD or Revit® and needing the ability to easily create 2D and 3D field points within their preferred design file. Users are able to quickly and easily auto-insert their field layout points for use with Trimble's best-in-class construction positioning and layout systems for easy stake-out in the field.



**Trimble® Real Works** point cloud modeling software enables you to register, visualize, explore and manipulate as-built data collected from your 3D laser scanner. Once your collected point cloud is registered within Trimble RealWorks, you can easily model existing pipe from point cloud data using the EasyPipe routine. Finally, export your modeled point cloud for import into popular CAD/BIM packages to jump-start your MEP estimating and detailing tasks.

**Trimble® Edgewise** complements Trimble's 3D laser scanners and RealWorks scanning software—providing efficient end-to-end workflows and accurate BIM-ready models. From scanned point cloud data, the software automatically detects elements such as pipes, conduit and structural objects, then precisely models them using the dimensions and geometries included in a library of common elements.

**Trimble® CrewSight** is an automated job site management solution that enables general contractors to rapidly and accurately manage field personnel on a construction site. CrewSight delivers greater insight into job site operations and enables construction contractors to operate more effectively and intelligently drive productivity, safety and security.

**Spectra QLM800** automates the layout of interior points and walls, allowing drywall and interior contractors to quickly and efficiently lay out points for interior building construction.

## Professional Services

*For over 20 years, BuildingPoint Pacific has provided construction technology services to more than 500 companies in California and Hawaii. Our team of construction professionals are experienced in supporting general contractors, construction managers, public and private owners.*

*We provide varying levels of service depending upon your specific needs. Our engagements can range from a few hours to multi-year contracts and our project/program experiences range from several hundred thousand to several billion dollars.*

*Whether you need us to augment your existing staff when you have critical deliverables and accelerated schedules, or to provide technical expertise and equipment required to fulfill contractual obligations, you can count on us to support your team behind the scenes and on the front line. Our services include:*

- Layout Services
- Scanning Services
- VDC Services
- Cost/Estimating Implementation
- BIM Services
- Construction Scheduling Services Training
- Training
- Prolog Configuration and Integration Services



**Prolog Integration Services:** Prolog's success is derived from its nearly endless customizable architecture. Look to the experts at BuildingPoint Pacific to help you get the most value out of Prolog. With insight and assistance from our highly qualified team, you can manage and deliver your entire solution or provide consulting on specific components. From custom field labels, to customized reports and dashboards, to advanced ERP and scheduling software integrations, Prolog can work exactly the way you do. Our goal is simple – to make you successful with our solutions. BuildingPoint Pacific's professional services teams are uniquely qualified to offer the following value to your organization:

- **Domain Experts** – BuildingPoint Pacific’s business consultants possess deep construction project management expertise and implementation experience to ensure optimal solution definition and smooth implementation.
- **Technology Experts** – BuildingPoint Pacific’s technical consultants provide mentorship, guidance and development on current technologies
- **Product Experts** – As a reseller of Prolog, our team has over 10 years of expertise with the product and project management overall. Our technical consultants are dedicated to making sure you get the most out of Prolog and that it integrates seamlessly within your workflow and other business practices.
- **Advanced Customization and Solutions** – BuildingPoint Pacific’s professional services has extensive expertise in creating customized role-based solutions tailored to your unique business requirements.

**VDC Services:** As a natural complement to Laser Scanning, Virtual Design & Construction (VDC) services provides a myriad of solutions to architectural and contracting firms looking to either enhance their current capabilities, or integrate new processes within their existing workflows. BuildingPoint’s VDC Services team offers a variety of deliverables including: pre-visualization and renderings, business development modeling, full-scope BIM modeling, model coordination, and model constructibility reports.

**Laser Scanning:** Are you involved with a complex expansion project and under the gun to make it as seamless as possible? Consider using Trimble VDC Services to laser scan your existing conditions, create a BIM model from the point cloud, and coordinate the new with the old for design validation. Impress your client with a comparison of the as-built conditions with the as-planned design.

**2D Document Comparison:** Don’t struggle trying to pinpoint the changes between hundreds of drawings for a project... and dread that you’ll find the one you missed on the jobsite. Trimble VDC Services quickly collates the drawing versions, checks for changes, and clouds each change/omission/addition for you.



**3D Modeling:** Not all extended project teams have players who can model for construction purposes. No worries – Trimble’s VDC Services Team can model your architectural, structural, and mechanical systems. These models aren’t just for show and tell – these are purpose-built models for construction-caliber quantities, 4D schedules, and 5D estimates. You simply specify the format: Tekla, Revit, ArchiCAD, CAD-Duct, etc.

**3D Model Grader:** What if you already have models from design teams or subs? Trimble VDC Services will act as a third-party to grade these models for construction. Consider it your modeling report card— we inspect the models system by system noting any omissions, mistakes, or areas for improvement.

**Lean Coordination:** Everyone says they offer project coordination services. But how many months (even years!) and how much cost do they add to the project? Trimble’s VDC Services utilizes our own System Priority Structure to force quick, but educated decisions resulting in coordination cycles which are 40% faster than

traditional methods. We also offer additional services for 2D composite drawings for the subs and a 6D facilities model for the client. If you want to be the first general contractor in your region to offer 6D to owners, this service is for you!

**4D Scheduling:** You’ve seen the difference that LBMS (location-based management system) can make on complex projects. We can start from scratch, or with your own CPM schedule, and create an optimal schedule based on the client’s request: the shortest schedule possible, the least expensive schedule, the least-risky options, or any combination of variables. We offer optional workshops including a pull scheduling session with subs, a production control game, and optimization workshops.

**Full 5D:** If your owner wants the latest building sciences applied to their project, consider the full monty. It's your pick of the latest laser scanning, layout, modeling, coordination, scheduling, and estimating services to match your client's needs.

**Construction Scheduling:** BuildingPoint Pacific offers a comprehensive range of planning and scheduling services—encompassing all project types—as well as a wide range of scheduling specs (Army Corps of Engineers, Navy, Federal Government, Los Angeles Unified School District, etc.). With over 1,500 commercial projects, twenty years of experience, a proven track record for obtaining timely schedule approvals and complying with stringent specifications, we have the ability to quickly and accurately elevate your project's success.

Using industry-leading software packages from Oracle Primavera, Trimble Vico and Synchro, BuildingPoint Pacific's team of schedulers and project planners can develop proposal level schedules and 4D simulations for your business development needs. For projects approaching the construction phase we can:

- Lead pull-planning sessions
- Prepare time impact analysis
- Create mitigation plans
- Develop initial project plans
- Perform interval updates
- Identify risks
- Prepare executive summaries

BuildingPoint Pacific can augment your existing staff or provide technical expertise required to fulfill contractual obligations—you can count on us to support your team behind the scenes and on the front line. Please give us a call to discuss your project's requirements.

**Cost Estimation Services:** Look to the experts at BuildingPoint Pacific to implement your cost estimating solutions—we have developed a methodology for success with GCEstimator, WinEst, Vico Office and Modelogix. Our team of solutions engineers, business consultants and technical specialists will work with you to define milestones and manage each deliverable, helping your organization:

- Install, configure and deploy Trimble products across your organization
- Integrate Trimble products with your financial and operational systems
- Train your team to utilize the standard product features and capabilities
- Increase your solution value through more effective use of these applications
- Provide workshops, project initiation and start-up support

Time is your most valued commodity—moving quickly from purchased software to a fully implemented solution is key to your organization's success. Our "Quick Start" packages get you operational quickly using standard product features and capabilities. Here are the benefits of "Quick Start" methodology:

- Shortens implementation time
- Decreases implementation costs
- Jump-starts product education
- Facilitates planning for future phases
- Minimizes the risk involved in heavily customized solutions

**Layout Services:** Efficient, reliable, and accurate construction layout is vital to the success of any size construction project. With the use of the latest in robotic total stations BuildingPoint Pacific's layout services provide fast turnaround times with experienced crews that will fit right in with your existing team. Our layout specialists can be used as a secondary resource when extra manpower is needed or we can take care of all construction layout for a specific project. No project is too small or too large for our construction layout team. Services we provide include:

**Building Layout:**

- Anchor Bolts
- Column Lines
- Floor Control (Slabs/ Decks)
- Plates
- Piles
- Foundations
- Footings



### Construction As-Built:

- Anchor Bolts
- Embedded Plates
- Base Plates
- Foundations
- Piles

### Interior Building Surveys:

- Floor Plans

### Site Layout:

- Roads and Driveways
- Utilities
- Grading
- Parking Lots

**3D Scanning Services:** BuildingPoint Pacific is a leading provider of 3D laser scanning services—our team is available for either project-based or time/materials based assignments. Our clients are able to utilize the resulting deliverables in a variety of formats including:

- 3D Cad Models
- Point cloud data
- Scan to BIM integration
- QA/QC
- 2D plans
- As-built documentation
- Clash & interference detection

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