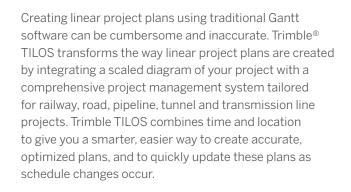
Linear Construction Project Planning

Trimble TILOS Plan with Confidence

Plan with Confidence



Trimble TILOS can make planning your next project faster and easier:

- Combine time and location for intuitive, accurate planning designs to visualize location, working direction and productivity
- Optimize schedules to avoid project clashes and save time and money
- Integrate spatial data such as CAD, survey and mass haul with project management functionality
- Create outstanding professional presentations
- Exchange data with other project planning software packages

5 REASONS to Start Using TILOS Today

Effective Communication

Presenting linear projects using time location diagrams ensures effective communication by visualizing the connection between location and construction performance

Professional Presentations

Present high-quality plans that showcase your talent and give confidence in your ability to deliver.

An Integrated Project Planning Solution

You do the planning using industry-specific planning features, while TILOS calculates the deadlines and the total time required in one integrated system.

Open Data Exchange

Exchange data with other project management systems such as Primavera P6, Microsoft Project and Asta Powerproject. You can also import activity data containing quantities, equipment and costs directly from a spreadsheet.

Cost Effective

TILOS quickly pays for itself when compared to other planning methods. Reduced planning time with improved schedule clarity results in more smooth construction sequences and helps avoid clashes.



POWERFUL, INTUITIVE SCHEDULING SAVES YOU TIME AND MONEY

- Create logic links between activities and then update the plan to identify the critical path and project end date
- Simulate alternative project sequences by changing working times and the location of operations to rapidly find the optimum sequence of operations
- Draw and calculate activities using real productivity data in a graphical presentation
- See schedule conflicts immediately on both short and long projects
- Quick start your planning with industry-specific templates that include prototype tasks, predefined productivity, individual operating time and machine configurations
- Spatially arrange and coordinate the construction process with 2D scheduling

TILOS at Work

"TILOS is being used to coordinate and visualize the construction programs for Phase 1 of the HS2 project. We import from P6 for 5 geographical areas between London Euston and Birmingham plus the railway systems into a single TILOS plan. The TILOS plan is acknowledged to be a very effective way of assimilating such a massive program of works."

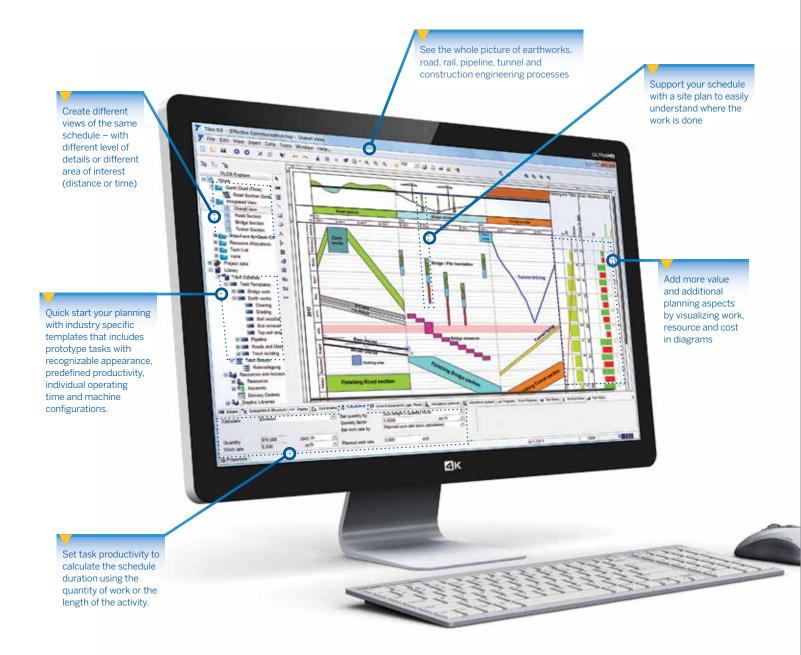
> Vernon Pilcher Construction Planner



Communicate Plans Effectively

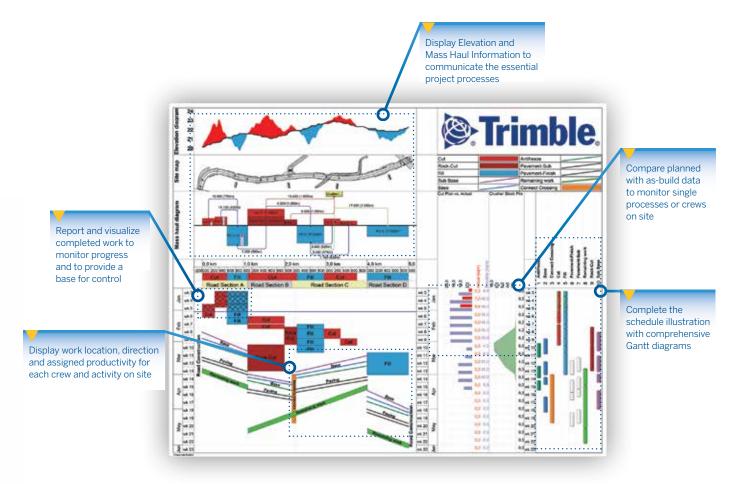
- > Present and communicate the entire project in one diagram, including graphs and maps
- Win more contracts, deliver plans more efficiently and justify cause-and-effect delays
- Ensure that everyone receives the right information at the right time
- Understand project status and the construction process easily

EASY-TO-USE INTERFACE FEATURES COMMON CAD ELEMENTS



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CREATE PROFESSIONAL PRINTOUTS AND USE THEM ON SITE, IN MEETINGS AND FOR CONTRACTS







Dig Deeper into TILOS

SCALED LOCATION CHARTS

- Use powerful drawing tools to place symbols and objects based on distance coordinates
- Use a symbol library to easily prepare scheme drawing diagrams
- Import existing route-diagrams directly into the chart and scale them to size automatically
- One chart has everything you need:
 - Split the chart into multiple sections so you can display more information
 - Clearly show the different stages of construction
 - · Include detailed drawings with site plans
 - Show resource usage (plant, people and materials)

RESOURCE AND COST PLANNING

- Reduce risk by integrating cost, quantity and performance planning
- Calculate task duration from the working speed (performance) and the distance or from work quantity and performance
- Calculate resource utilization using quantities or time with flexible calculation models
- Create quantity and cost charts to show time-specific and absolute resource requirements over the duration of a project
- Compare costs and income to show project profit
- Compare values with a project baseline or use other project profiles
- Calculate costs based on resource usage

CUSTOMIZABLE VIEWS

- Define project, scale, site plan and chart areas, and use them to create customizable project views showing common data in different ways
- Set axis orientation and direction individually for each cell
- Integrate Gantt diagrams, time and location diagrams, cost and resource diagrams, and spatial information to one comprehensive chart

MASS HAUL DATA AND DIAGRAMS

- Create different types of material such as cut, fill and disposal
- Enter or import different cut/fill locations and quantities
- > Dictate where the cut from one area goes to fill another
- Create tasks based on quantity and productivity for each cut/fill movement to quickly build a schedule
- > Display consumption graphs based on location or time

PROGRESS TRACKING

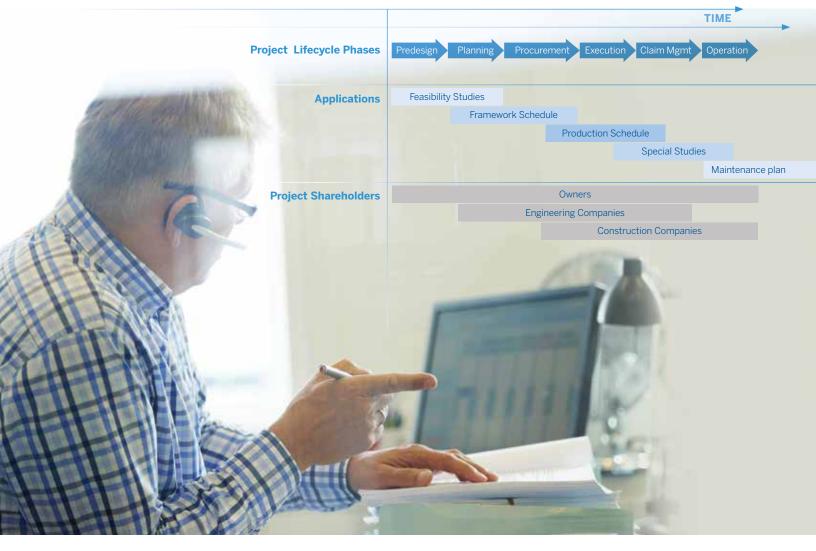
- Update projects regularly and constantly monitor actual progress against the original plan
- Define the report date to progress tasks
- Progress tasks by location as well as by time and what completion percentage has been reached.
- Baseline and compare the original plan to current project progress to detect variances immediately and compensate for them in real-time.
- Instantly update the current project status and calculate new deadlines with reference to the reporting date
- Calculate earned value measures for tasks and sub-projects
- Import and export progress and the actual data via a spreadsheet
- Display distance progress as a distance Gantt chart

CONNECTED SOFTWARE

- Exchange data with:
 - Business Center HCE by Trimble
 - Tekla Civil
 - Oracle[®] Primavera[®] P6
 - Microsoft[®] Office Project
 - Asta Powerproject[®]
 - Spreadsheet programs



TILOS AND THE PROJECT LIFECYCLE



"Awesome piece of software with many applications in the job." Stuart Shortland

Parsons Brinkeroff Ltd, UK

"TILOS transformed our engineers" attitude toward project scheduling from something extra they never had time for to a tool they "owned" and wouldn't go to a meeting without."

> James Lyon HDR Inc. USA



Trimble: Transforming the Way the World Works

Trimble provides the tools and support to let you integrate planning, design, site positioning, machine control and asset management information throughout the construction life cycle for more efficient operations and higher profits. Contact Trimble or your local dealer today to learn how easy it is to utilize technology that makes significant improvements in project workflow, dramatically increases your production, improves your accuracy and lowers your operating costs.

Trimble Civil Engineering and Construction

10368 Westmoor Drive Westminster, Colorado 80021 USA 800-361-1249 (Toll Free) +1-937-245-5154 Phone construction_news@trimble.com

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