

Planning & Scheduling for Wood & Timber Engineering

Faster productions with less waste and fewer delays. Utilize a new, industry-proven planning mindset to avoid conflicts, improve transparency, and maximize capacity across wood and timber manufacturing processes.



Coordinated Scheduling of Machines, tools, & Labor

Prevent unexpected
bottlenecks & staff shortages

Automated Job Assignment & Sequencing

Auto-assign and group jobs
based on product properties

Planned Setup, Buffer & Changeover Times

Accurately plan glue prep, kiln
heating, or tool changes.



End-to-End Production Timeline Visibility

Visualize and align every step
from layup to packaging

Simplified Routing for Product Variants

Standardize routing for variants
to planning and reduce errors

Resource Availabilities At A Glance

Reserve slots for key tools and
staff across multiple steps

Optimized for Planning & Scheduling in Wood & Timber Engineering

planeus is an **adaptive, easy-to-use Production Planning & Scheduling system** built for **wood and timber engineering**. Covering cutting, gluing, pressing, curing, CNC machining, and large-format logistics, planeus supports the full workflow for glulam, CLT, SCL (including LVL, PSL, and LSL), multi-ply beams, plywood, and other joinery processes.

It helps reduce waste, prevent equipment conflicts, and maximize use of machines and skilled labor.

Multi-Resource Assignment & Conflict Radar for Machines, Presses & Skilled Labor

- Coordinate critical machines (e.g., CNCs, presses, kilns), tools, and skilled labor simultaneously.
- Prevent delays early before they disrupt key steps like adhesive curing, press cycles, or drying schedules

Characteristics & Sequencing

- Auto-assign machines and tools based on specs like size, press force, or adhesive type —enabling highly detailed and automated job planning.
- Group and sequence work steps automatically (e.g., light-to-dark coating) to reduce changeovers and maintain steady work flow.

Setup, Buffer, Cleaning, and Changeover Time Management

- Account for kiln preheating, press reconfiguration, adhesive prep, and tooling changes.
- Prevent overlaps, shorten production time, and reduce changeovers or unplanned downtimes.

Integrated Pre- & Post-Production Gantt Chart

- Visualize the full production chain from veneer layup to pressing, trimming, CNC machining, and packaging.
- Flexibly align production and non-production processes across supply chain, design, production, logistics, and administration departments.

Technology Templates for Simple Routing Management

- Reduce the number of routing templates by standardizing shared processes like gluing, pressing, and trimming—regardless of product size, type, or variant.
- Simplify routing management, saving time and ensuring consistent workflows across different projects.

Parallel & Attendant Resources

- Assign and track support equipment and secondary labor (e.g., transport racks, clamps, forklifts) that must remain available throughout multiple steps.
- Ensure smooth transitions in extended or multi-stage processes like drying, curing, or assembly—without scheduling conflicts or resource gaps.

planeus System Advantages

Lean Operations in Competitive Markets

- Plan tighter, reduce idle time, and keep costs under control
- Strengthens position in competitive markets with more precise and agile planning.
- **Simple Design for Complex Planning**
- Short training time and high acceptance with easy-to-use UI
- Designed for multi-step workflows like gluing, pressing, trimming, and joinery.

Robust Reporting for Transparent Decisions

- Offers real-time visibility into orders, capacities, and bottlenecks with clear, actionable data.
- Supports fast, informed decisions internally and strengthens trust with clients and partners.

Cloud-Based System with On-Prem Options

- Suitable for companies at any digital maturity level
- Fast reaction to production conflicts anytime and anywhere
- API-ready for seamless integration with ERP, MES, and CAD/CAM systems

Fast System Implementation

- Deployment typically ranges **within 3-6 months**.
- Start small with **a pilot system / prototype** in a controlled environment before making a full commitment

With proven success in fast-paced wood & timber manufacturing environments, planeus works directly with teams to ensure a secure & smooth deployment — fully aligned with your production processes and workflows.



Uwe Zylka

planeus
Manufacturing Consultant



Sunny Mak

planeus
International Team
y.mak@thdata.de

Contact

th data GmbH
info@thdata.de