



POWERED BY
SENTIENT



StockyardViz

*Real-time 3D insight for better stacking,
reclaiming and blending.*



*Live 3D Visualisation
with 25cm Voxel
Accuracy*



*Interactive Blend &
Inventory Analysis*



*Operational Risk
Reduction*

See Your Stockyard Like Never Before.

Sentient's StockyardViz transforms your stockyard into a spatially accurate, real-time digital twin.

Whether you're stacking, reclaiming, or blending, StockyardViz gives you the clarity to make faster, safer, and more confident decisions.

Built for operators, planners, and decision-makers alike, it connects live site data with a precise 3D model of your infrastructure, delivering insight exactly when and where you need it.

What StockyardViz Delivers

- *Precise digital twin of your stockyard infrastructure
Powered by live data, accurate to 25cm voxels, no estimates, no lag.*
- *Full visibility across stacking, reclaiming, and blending.
Visualise everything in 3D, from anywhere, in real time.*
- *Smarter decisions at every level of your operation
Operators, planners, and managers all work from the same live source of truth.*
- *Instant access to any measured stockpile property for example bench tonnes, product quality, and moisture.
Analyse blend outcomes before reclaim, not after.*
- *Improved safety, reduced downtime.
Scenario testing and remote monitoring give you better foresight, decisions, and faster response.*



It's not just about visibility...

It's about unlocking the full picture and using it to take meaningful action.

When you can see your stockyard spatially, live and in context, you're not just responding to problems, you're anticipating and planning for them.

StockyardViz gives you real-time awareness across your entire operation. You'll see where your materials are, how your machines are moving, and what's happening next, with no assumptions, no blind spots.

Because visibility alone isn't enough.



...it's about control.

StockyardViz empowers you to plan, analyse and act with precision.

From blend quality to reclaim scheduling, you can test decisions before they're implemented. Adjust in real time, and share insights across teams.

It's not just live data, it's live command of your entire stockyard environment.

Built for Better Decisions.

From planning to execution, StockyardViz gives you the tools to optimise performance and reduce uncertainty, every step of the way.



Live Material Tracking
Real-time visualisation of stockpile movement and machine locations



Product Attribute Analysis
Analyse product qualities and grades across stockpiles with spatial context.



3D Model Accuracy
Precise infrastructure models, accurate to within 25cm voxels



Stacker & Reclaimer Paths
Visualise live or simulated movement for planning and review.



Interactive Slicing Tools
Slice along X, Y, or Z axes to reveal the entire composition and variance of the stockpiles



Scenario Testing
Test stacking/reclaim strategies virtually before implementation



Regulatory Reporting Support
Capture asset position and material state over time ready for audit.



Collaborative Decision-Making
Share a single, live operational view across all stakeholders

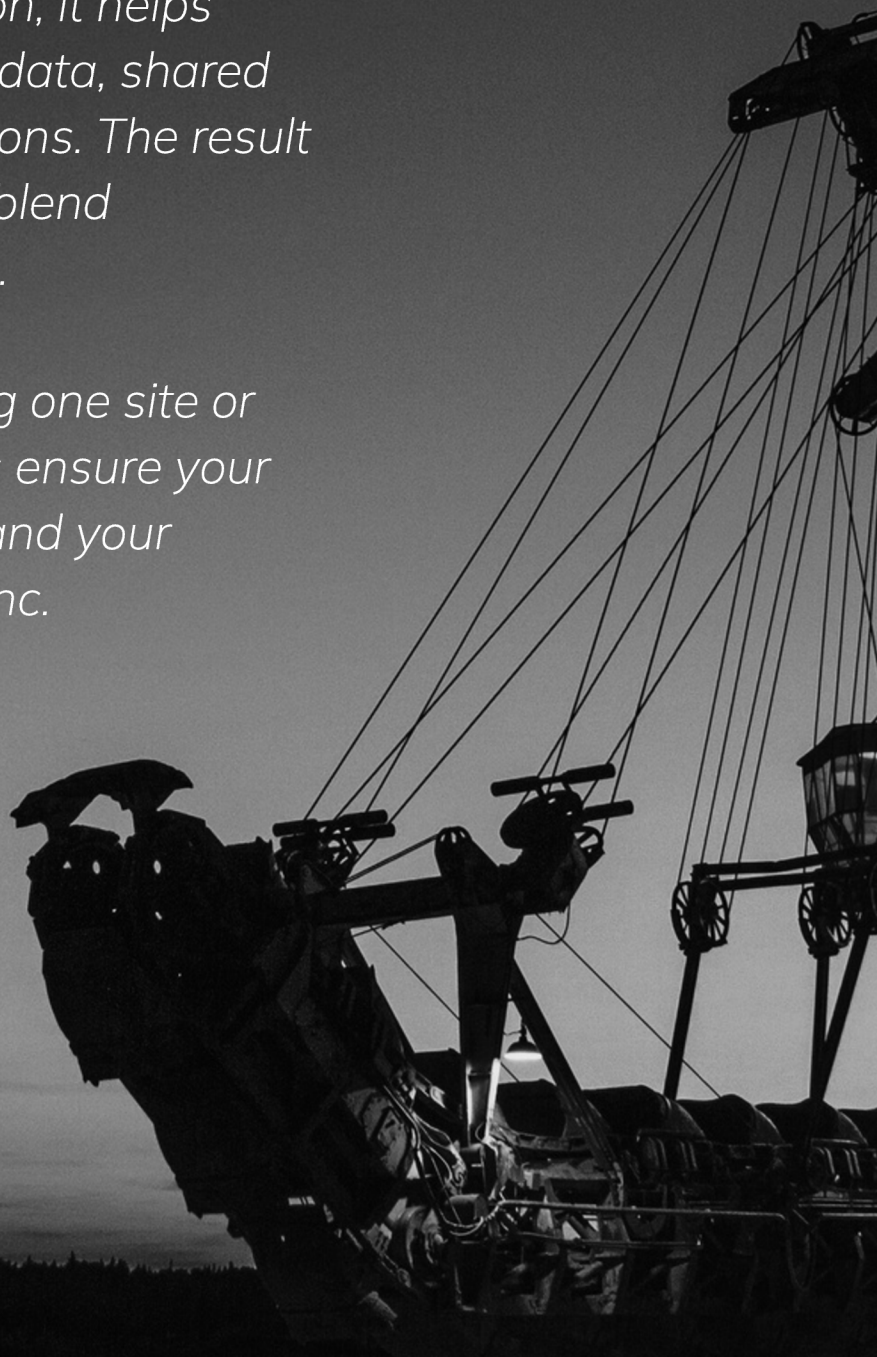


Because when your yard runs better... everything does.

StockyardViz isn't just another dashboard. It's a live, spatial tool that gives you real operational awareness, when and where it matters most.

From planning to execution, it helps teams align around clear data, shared visibility, and faster decisions. The result is fewer surprises, better blend outcomes, and safer sites.

Whether you're managing one site or many, StockyardViz helps ensure your people, your equipment, and your strategy are always in sync.



System Requirements

We believe that technology should simplify decision-making, not complicate it.

That's why StockyardViz is designed with a user-first philosophy. You don't need a top tier graphics card or a specialist workstation to run it. Our digital twin is lightweight, efficient, and optimised to work smoothly on standard business laptops, so your team can focus on insights, not infrastructure.

- *CPU: Intel i5 12th Gen*
- *Memory: 8GB*
- *Storage: 256GB SSD*
- *GPU: Integrated graphics or GTX 1050*
- *Operating System: Windows 10*





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www.sencom.com.au/stockyardviz



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