

153% More Efficient 100% Verified

Eliminate Under and Over Compaction to ensure Quality Assurance

Traditional compaction relies on operator intuition and spot checks, often leading to inconsistent results and costly rework. Völkel Intelligent Compaction (IC) eliminates this risk, converting your compaction process into a uniform, strictly controlled, data-verified operation.



Maximise Efficiency

Stop rolling by instinct and start rolling with precision. Völkel eliminates the guesswork from inside the cab. The system provides operators with real-time, colour coded feedback on pass counts, stiffness, and temperature, ensuring uniform compaction from start to finish.

Protect Margins

Over-compaction is a silent budget killer. Going too far doesn't just waste time, it lowers base layer elevations, forcing you to import expensive material to meet minimum design level requirements.

BOOST PRODUCTIVITY

+30% Efficiency



Typical efficiency gains of 30% or more are achieved simply by improving visibility of work completed.

ELIMINATE REDUNDANCY

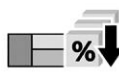
Every Pass Counts



Drastically reduce unnecessary dynamic rolling & prevent the fatigue that comes from relying on memory or road markers.

CUT COSTS

Reduce Material Waste



Strict control of pass counts prevents over compaction lowering elevations and material over-runs.

EXTEND EQUIPMENT LIFE

Reduce Wear and Tear



Reducing unnecessary rolling lowers machine wear and maintenance expenses.

SAVE FUEL

~10% Per Roller



Avoiding unnecessary rolling reduces fuel consumption by roughly 10% per roller.






Connect Your Fleet Empower Your Team

Achieve 100% QA through Collaboration

See the whole site, not just a spot test.



While others offer isolated data, Völkel provides real-time data sharing between rollers as a standard feature.

-  **Unified View:** Operators see a collaborative map of total project progress, ensuring no strips are missed or overlapped.
-  **Remote Supervision:** Supervisors can view live pass count, stiffness, and temperature data via a web app on any smart device.
-  **Definitive Proof:** Move from spot tests to a 100% coverage data record, identifying soft spots and anomalies down to 1 meter deep.

Fast-Track Operator Skills



Turn novices into experts.

The system's visual feedback "gamifies" the workflow, significantly accelerating the learning curve.

-  **Instant Consistency:** New operators using IC have achieved uniform rolling patterns in a single shift.
-  **Better Training:** Use playback data during toolbox talks to highlight and reinforce good methodology and improve workflows for the entire crew.

Take The Next Step

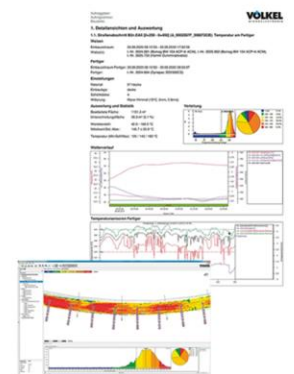
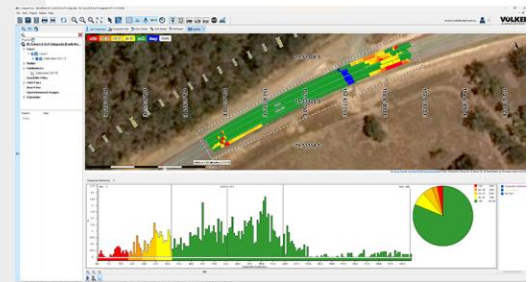
Völkel provides the robust, data-driven platform required to quantify your gains.

-  **Establish Your Baseline:** We will help you map achievable KPIs before adoption to track your specific progress.
-  **Support and Demo:** Secure a knowledgeable local support partner to guide your transition from rolling by instinct to rolling with precision.

 Learn more about Intelligent Compaction at conplant.com.au/innovation/volkel-intelligent-compaction/



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