



VisionLink Landfill

MAXIMIZE THE LIFE OF YOUR LANDFILL

VisionLink® Landfill tracks the compaction and fill processes at your site when coupled with landfill compactors installed with Trimble® CCS900 Compaction Control Systems. VisionLink Landfill tracks the compaction efforts of GPS-equipped compactors, and calculates the waste volumes placed and the compaction densities achieved in active cells. Optimize compaction and maximize landfill life with VisionLink Landfill.



Key Features

Developed for the Landfill Manager

An easy-to-use solution for greater efficiency and productivity in the office and on the site.

Manage and optimize landfill performance with:

- ▶ Volume and density calculations
- ▶ Calculate density trends
- ▶ Compaction mapping
- ▶ Multi-site tracking
- ▶ Landfill life estimates
- ▶ Report generation
- ▶ Configurable dashboard

Volume and Weight

Volume, weight and density are important metrics for good landfill management.

- ▶ Weight values are entered or imported by the user
- ▶ Volumes are calculated from the difference of the current surface and previous day's final surface
- ▶ Daily totals for both volume and weight are displayed on the graph

Volume and Time

The Volume and Time widget offers a real-time snapshot of volume history to project landfill life.

- ▶ Running summary of weekly and monthly volume totals
- ▶ Estimates the airspace remaining for the landfill based on design top of waste and current elevation
- ▶ Estimates landfill life remaining using the volume remaining and average volumes added calculations



Density

The Density chart provides a comprehensive overview of your density data on a timeline.

You can also use it to identify upward or downward trends in daily values for weights brought into the landfill or site (cell) within the landfill.

The Density chart displays:

- ▶ Daily density values
- ▶ Average density over time



Cat Compaction Algorithm (CCA)

The Cat® Compaction Algorithm (CCA), a compaction measure used to represent compaction quality, helps landfill machine operators to achieve optimum compaction, eliminate wasted airspace and avoid over-compaction. The CCA metric gives the landfill manager visibility into daily compaction quality and coverage.

The machine control system surveys the exact elevation of each pass and calculates material deflection, how much the elevation changed, after each pass.



Compaction Mapping

- At least three more passes to complete
- At least two more passes to complete
- At least one more pass to complete
- Complete
- Thick lift



VisionLink Landfill can be used with a desktop computer, laptop, smart phone, tablet, Trimble T10 Tablet and Trimble Site Tablet 10, allowing for on-site and in-office use.



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