



Smart Quarry Operations

Boost Revenue and Control
with AI-powered Vision

Missed Revenue & Material Losses



Weighbridges cost:

\$60K–\$120K → too expensive for small producers



Manual estimates:

\$100K+/year in lost revenue



Inventory errors cause:

\$10K–\$50K in missed sales



Theft & misuse cost:

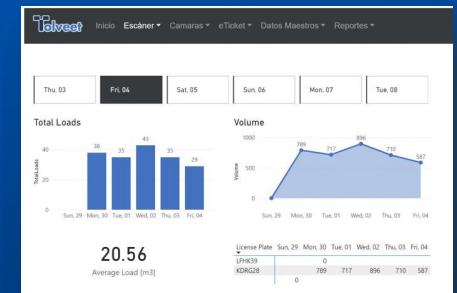
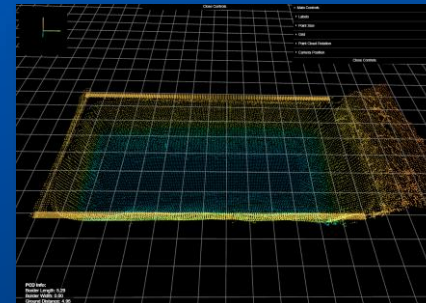
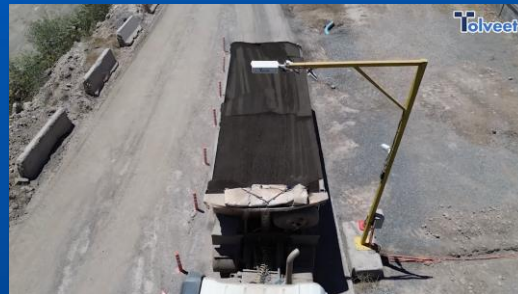
\$5K–\$20K/month

Load Volume Scanner

- **Increase Profits:** Accurate volume data prevents theft and revenue loss.
- **Optimize Efficiency:** Immediate insights to minimize delays, streamline truck cycles.
- **Cut Costs:** Eliminate costly weighbridges, reduce labor and maintenance.
- **Real-time Auditing:** Automated truck ID and instant, auditable load verification.



Immediate ROI



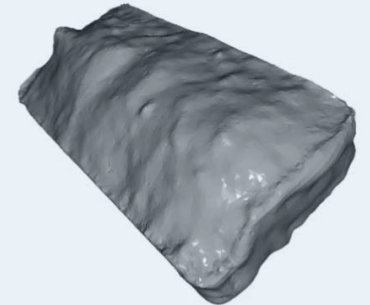
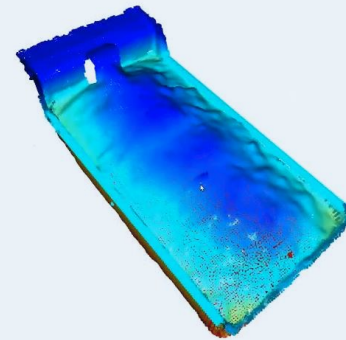
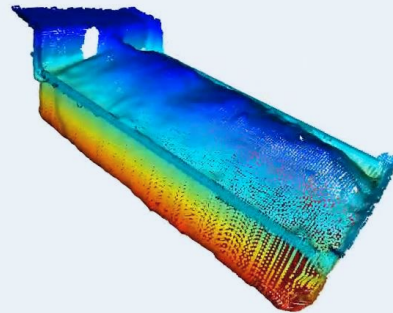
Advanced Sensing for Unmatched Accuracy



Our system uses cutting-edge 3D stereo vision and optional LiDAR fusion to deliver over 99% accuracy in volume measurement.



Product completely developed by Tolveet, it does not require third-party licensing.



Complete Load Auditing Solution



Beyond Volume Measurement

- Material type detection (market exclusive)
- Predictive load estimation (no empty profile needed)
- Carryback Detection
- Truck Cover Detection
- Integrated QR code reading
- Capacity analysis for volume estimation

Coming Q4 2025:

- Particle size distribution
- Boulder detection

Truck Identification

RFID



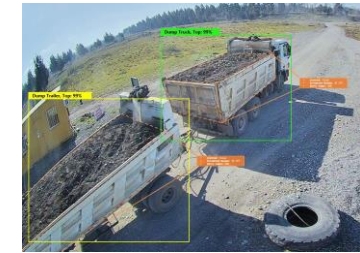
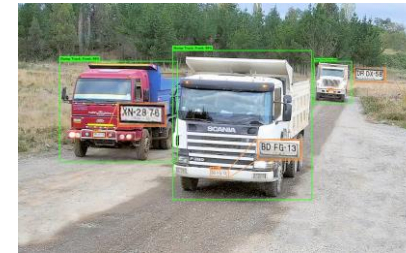
The integration of our waterproof **UHF RFID Reader** with our Load Volume Scanner ensures a seamless automated linkage between the vehicle and its load volume.



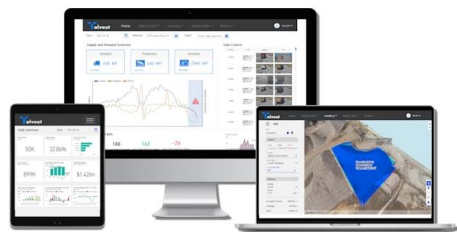
Cameras



Our rugged varifocal cameras, when combined with our proprietary truck detection and **license plate recognition** software, effectively enhance RFID technology for trucks missing RFID tags.

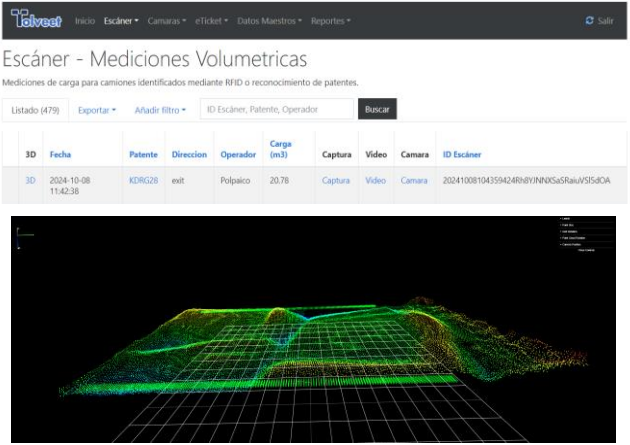
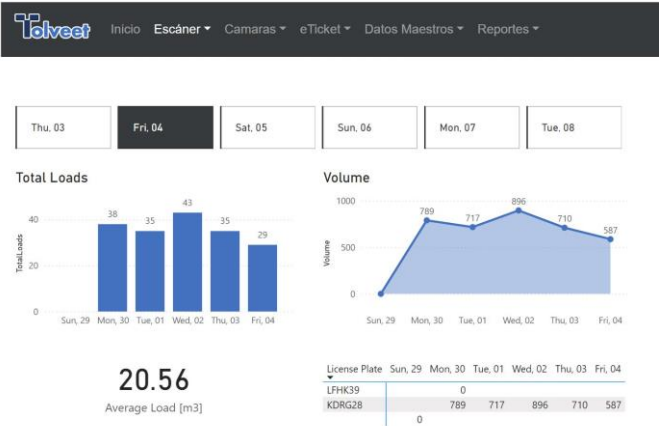


Software



TolveetManager

Connect on-site devices for real-time data and remote control. Precisely track truck loads, monitor site access, and see demand, inventory, and production at a glance. Automate workflows, optimize resources, and boost efficiency with clear, actionable insights.



Summary:

- Detections: 88
- Entrances: 10
- Exits: 24
- Revenue: \$0
- Quantity: 0

Entrance	License Plate	Date of Entrance	Date of Exit	Image at Entrance	Image at Exit
	7820JDI		2024-10-08 18:13:37		
	3239PSA		2024-10-08 18:02:50		
	483000A	2024-10-08 14:01:30	2024-10-08 14:36:27		
	242700A	2024-10-08 13:35:52	2024-10-08 14:33:12		
	240200A	2024-10-08 13:26:52	2024-10-08 14:30:33		

Escáner - Eventos

Todos los eventos del escáner activados por detección de movimiento.

ID Escáner	Patente	Captura	Video	Detalles	Direccion	Velocidad	Warnings	Errors	Fecha
2024100811403832U-mb7928TfygZc-K4PSrg		Captura	Video	Detalles				X 1	2024-10-08 12:39:35
20241008113844961OsaN7vhuRnyvDdGAGInGg	LJ7T53	Captura	Video	Detalles	exit		Warning(s): - Truck is entering at an angle and exiting with the opposite angle. Reconstruction will be affected. - Vehicle is not passing straight. Angle of Entrance (degrees) is too low at 81.7. Minimum recommended Angle of Entrance (degrees) is 94. - Acceleration Detected. Speed estimation may be off by more than 0.1 (meters/sec). KCP limits reached 5 times.		04-10-08 13:38
20241008113509244AYCQYQZGzHubAcvG6G2yg		Captura	Video	Detalles	exit				04-10-08 13:44
20241008113339667pOy6uGzCwHgJsmuH0fW	KDRG28	Captura	Video	Detalles	exit				04-10-08 13:18
20241008112747731a1H0u8kg57q3m8KqUpHQ		Captura	Video	Detalles					04-10-08 12:13
2024100811255980ZvazthGzwdH8Bz_Spw-A	KDRG28	Captura	Video	Detalles	exit	9.18	Warning(s): Acceleration Detected. Speed estimation may be off by more than 0.1 (meters/sec). KCP limits reached 5 times.		2024-10-08 12:24:31
20241008112132197v6Hn1Z8RPrn2Ck8v6GTAQ	KHSP72	Captura	Video	Detalles	exit	12.19	Warning(s): Acceleration Detected. Speed estimation may be off by more than 0.1 (meters/sec). KCP limits reached 5 times.		2024-10-08 12:20:17
2024100811759338P1WfWzQ3qG-1ga27TA	SWL28	Captura	Video	Detalles	exit	8.78		X 1	2024-10-08 12:15:22
2024100811702712EKmcvVuo3m89-VfweHjw	ZK3327	Captura	Video	Detalles	exit	7.71	Warning(s): Acceleration Detected. Speed estimation may be off by more than 0.1 (meters/sec). KCP limits reached 5 times.		2024-10-08 12:15:10
20241008113166328WaccvQ8GztnatAhuA	DDUR11	Captura	Video	Detalles	exit	14.14		X 1	2024-10-08

Hardware



Our solution requires civil work, including constructing a concrete base and steel structure. Installation can be managed through our trusted partners or completed independently following our detailed step-by-step instructions. Comprehensive guidance is available [here](#).

Support

Tolveet offers a comprehensive support and maintenance plan for our Load Volume Scanner, ensuring continuous operation, performance, and reliability. The plan includes remote monitoring for key performance indicators, enabling preventive actions.

Optional services are also available and can be tailored to specific needs.

Remote Support 24/7

Basic software updates

Software version upgrades (OTA)

Online operational monitoring

Preventive maintenance

Thank you

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