Atlas Energy Solutions

SOLUTION BULLETIN

Everest™ Piling System

Faster Offloads. Better Accountability. Higher Throughput.



The **Atlas Everest™ Piling System** is an advanced wellsite sand management solution designed to maximize throughput, reduce truck cycle times, and improve operational efficiency during damp sand completions. Everest enables rapid offloading, flexible pad layouts, and real-time inventory tracking, helping operators maintain uninterrupted pumping while reducing logistical complexity.

The Challenge

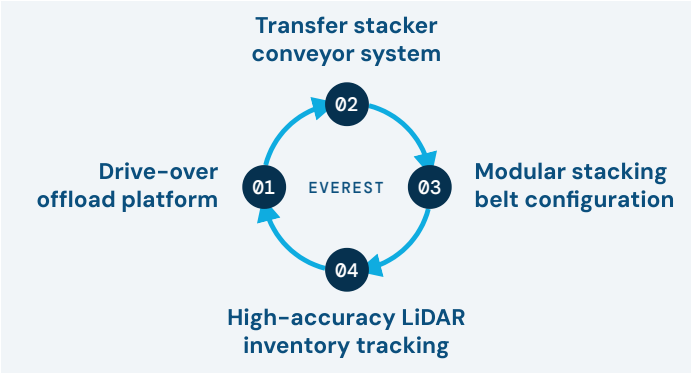
Modern completion operations consume sand at an extraordinary rate. Every minute of delay from slow unloading, congested wellsites, uncertain inventory levels, or limited storage capacity increases the risk of non-productive time and operational inefficiency. Operators need a solution that can:

- Offload sand quickly and safely
- Operate within constrained wellsite footprints
- Track inventory accurately
- Support high-volume pumping programs
- Reduce truck wait times and wellsite congestion

These challenges become even more critical during simul-frac and large-scale completion programs where throughput and visibility are essential.

The Solution

Atlas developed Everest to solve the limitations of conventional damp sand handling systems. The system combines:



Together, these technologies create a permit-free, high-capacity sand storage and management solution that improves both operational efficiency and inventory accountability.

EVEREST BY THE NUMBERS

2-3	99%	<2%	8,000	+6.5%
MINUTES	**ACCURACY**	**VARIANCE**	**TONS**	**PAYLOAD**
Average belly dump offload time	LiDAR inventory measurement	Typical stage reconciliation accuracy	Onsite storage capacity	Additional load weight capacity

Everest by the Numbers

METRIC	PERFORMANCE
Offload Time	2-3 minutes per belly dump truck
Measurement Accuracy	99% LiDAR inventory accuracy
Stage Accuracy	<2% variance experienced by current clients
Onsite Storage	Up to 8,000 tons of damp sand
Additional Payload Capacity	~6.5% higher payload vs. containerized systems
Daily Buffer Capacity	Approximately 2 days of simul-frac inventory

Key Benefits

Faster Truck Turnarounds

Everest enables trucks to unload in just 2-3 minutes, including driving onto and off of the unloading ramps. Faster unloads improve trucking efficiency and reduce cycle times across the entire supply chain.

Improved Sand Accountability

LiDAR technology continuously measures sand pile volumes, providing highly accurate inventory visibility and helping operators reconcile delivered and consumed volumes with confidence.

Reduced Operational Risk

The drive-over design eliminates the need for cement blocks and reduces the risk of vehicles becoming stuck during unloading operations. Permit-free moves further simplify deployment.

Flexible Pad Layouts

Modular belt configurations allow Everest to operate effectively within limited sand dancefloor space while providing rig-up flexibility and built-in redundancy.

Increased Throughput

Designed specifically for high-volume damp sand operations, Everest was deployed to increase sand throughput, reduce truck cycle times and improve overall wellsite efficiency.

How LiDAR Improves Inventory Control

Unlike traditional sand storage systems that rely heavily on estimates and manual tracking, Everest uses high-accuracy LiDAR scans to:

- Measure delivered sand volumes.
- Monitor pile inventory throughout operations.
- Reconcile pumped sand after every stage.
- Verify actual consumption with exceptional accuracy.

The result is better visibility, more accurate inventory management, and improved confidence when planning completion operations. Atlas customers typically experience **less than 2% stage variance** using the Everest reconciliation process.

Why Everest™

IS	An advanced wellsite sand storage and handling system.
DOES	Accelerates offloading, increases throughput, provides accurate inventory tracking, and optimizes pad layouts.
MEANS	More pumping hours, fewer delays, better inventory control, and a lower risk of sand-related operational disruptions.