SETTANTA PIPELINER

THE NEXT EVOLUTION IN PIPE HANDLING EQUIPMENT

Presented by:

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ARE WE STILL DOING TODAY'S WORK WITH YESTERDAY'S TOOLS?

EXCAVATOR: Established 1839

DESIGNED TO DIG, NOW ASKED TO LIFT

- Track geometry limits side-lift stability
- Lifting performance varies by orientation
- Boom geometry maximizes breakout force vs. lifting
- Hydraulic systems designed for prioritizing digging

Capabilities limited by original design.

BULLDOZER: Established 1920

DESIGNED TO PUSH, NOW ASKED TO LIFT

- Built for earth moving
- Non articulating boom
- Requires counterweight to balance side lift
- Hydraulic systems optimized for pushing/pulling

Capabilities limited by original design.

EVOLUTION BY DESIGN

STEAM SHOVEL

CABLE EXCAVATOR

HYDRAULIC EXCAVATOR

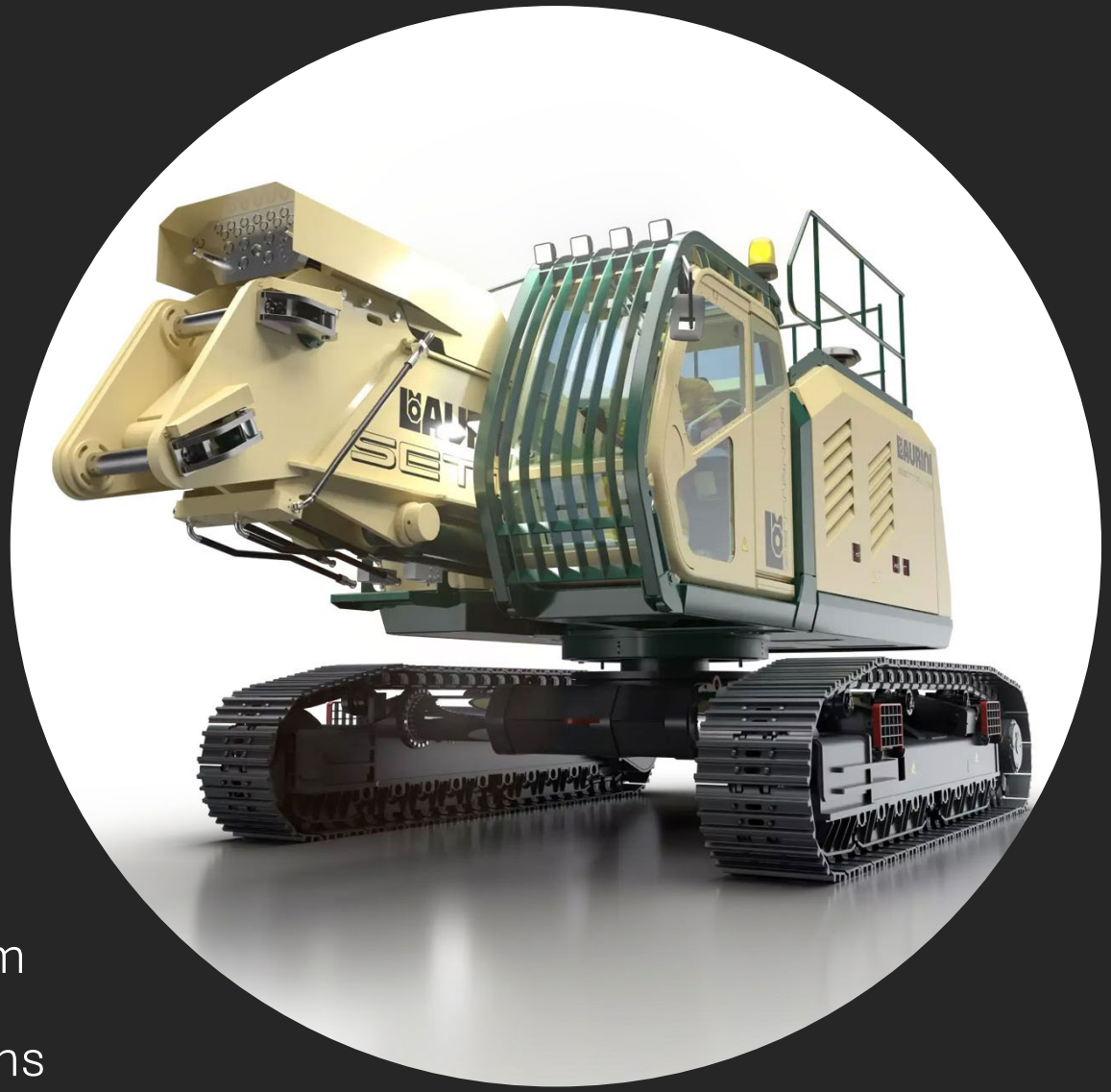
PIPELINER

WILL WHAT WORKED IN THE PAST, WORK IN THE FUTURE?

- Excavators adapted for pipe lifting, “rope and hope”
- Bulldozer platform leveraged for pipelayers/sidebooms
- Multiple machines solving one workflow

Pipeline construction has evolved around equipment originally designed for other purposes.

INTRODUCING THE SETTANTA PIPELINER



The All-In-One Pipe Handling Solution

- Built with Laurini's industry-proven ingenuity
- Integrates LaValley Industries DECKHAND system
- Prioritizes lifting and handling as primary functions
- Establishes a dedicated pipe handling solution

BUILT FOR PIPELINERS, BY PIPELINERS

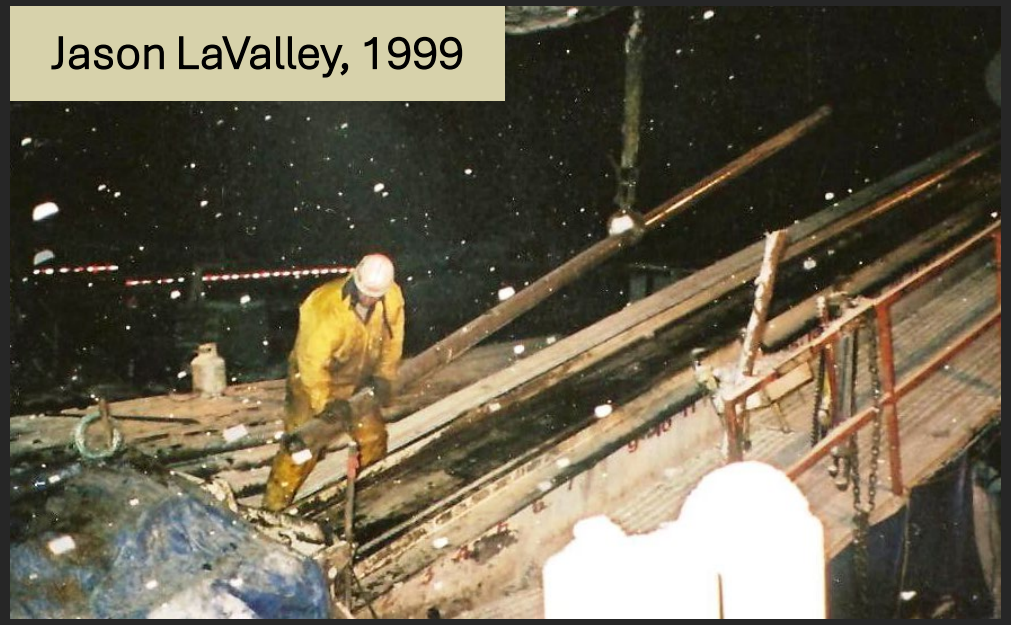
Industry-leading collaboration between LAURINI and LaValley Industries.

The PIPELINER Development Approach:

- Designed from the right-of-way outward
- Developed in close collaboration with pipeline professionals
- Shaped by firsthand industry experience

Marco Laurini, 1987

Jason LaValley, 1999



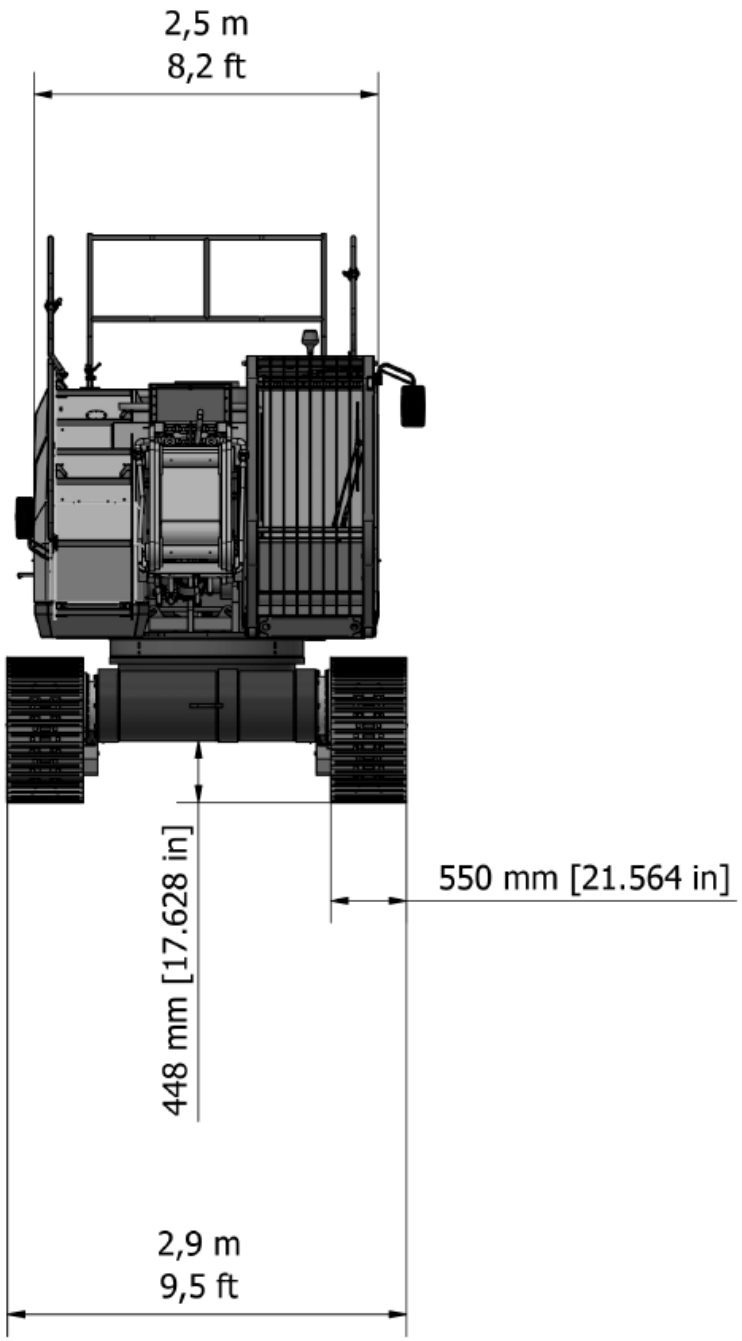
TRUE 360° LIFTING CAPABILITY

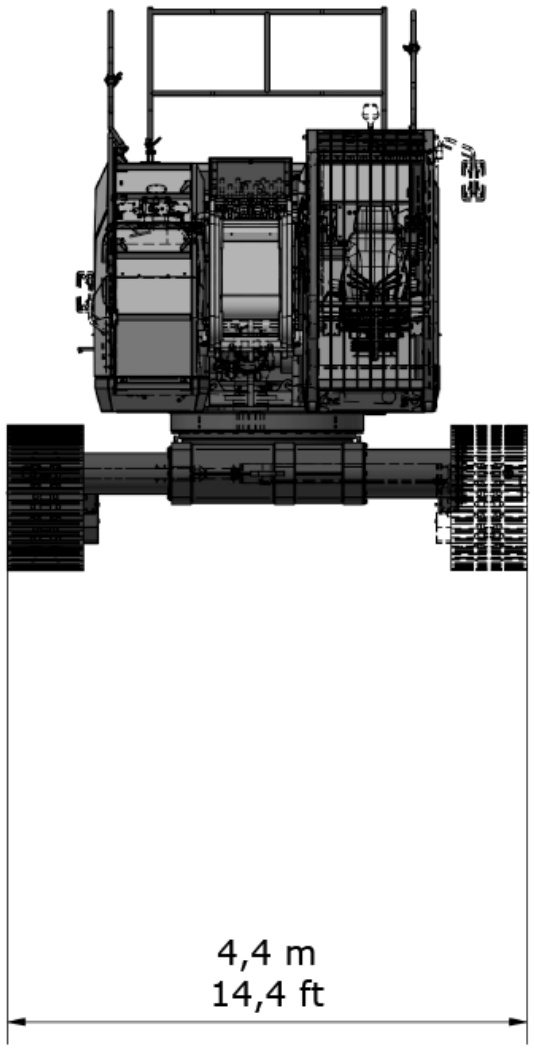
Consistent performance in any position.

- Front, rear, and side lift with equal capability
- No directional compromise
- Greater positioning flexibility on the ROW
- Enabled by hydraulic variable gauge undercarriage
- Boom pivot location optimized for lifting

EXPANDABLE UNDERCARRIAGE

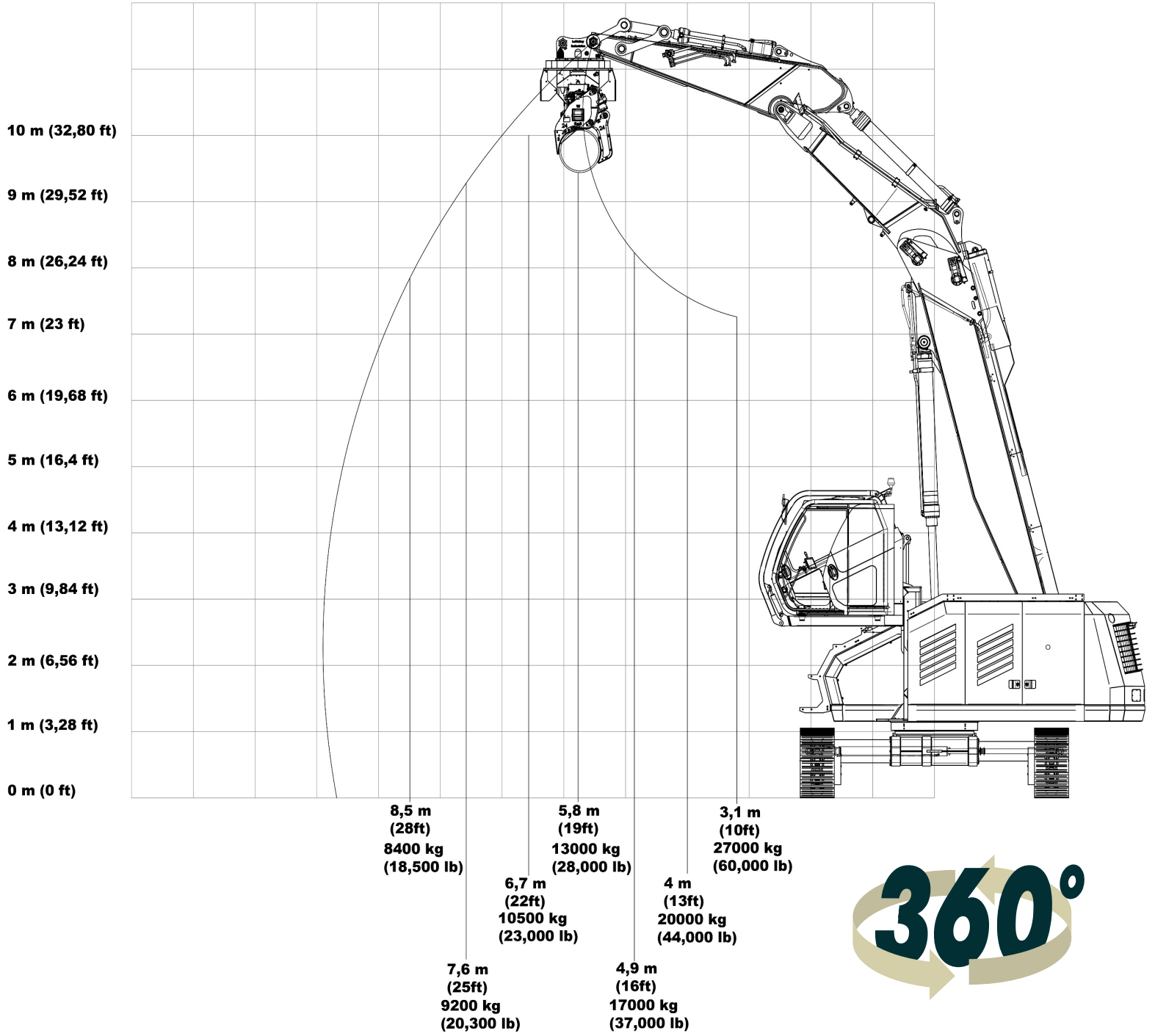
- Fully hydraulic
- Activated through In-Cab functions
- Expands from 2.9 to 4.4 m (9.5 to 14.4 ft)



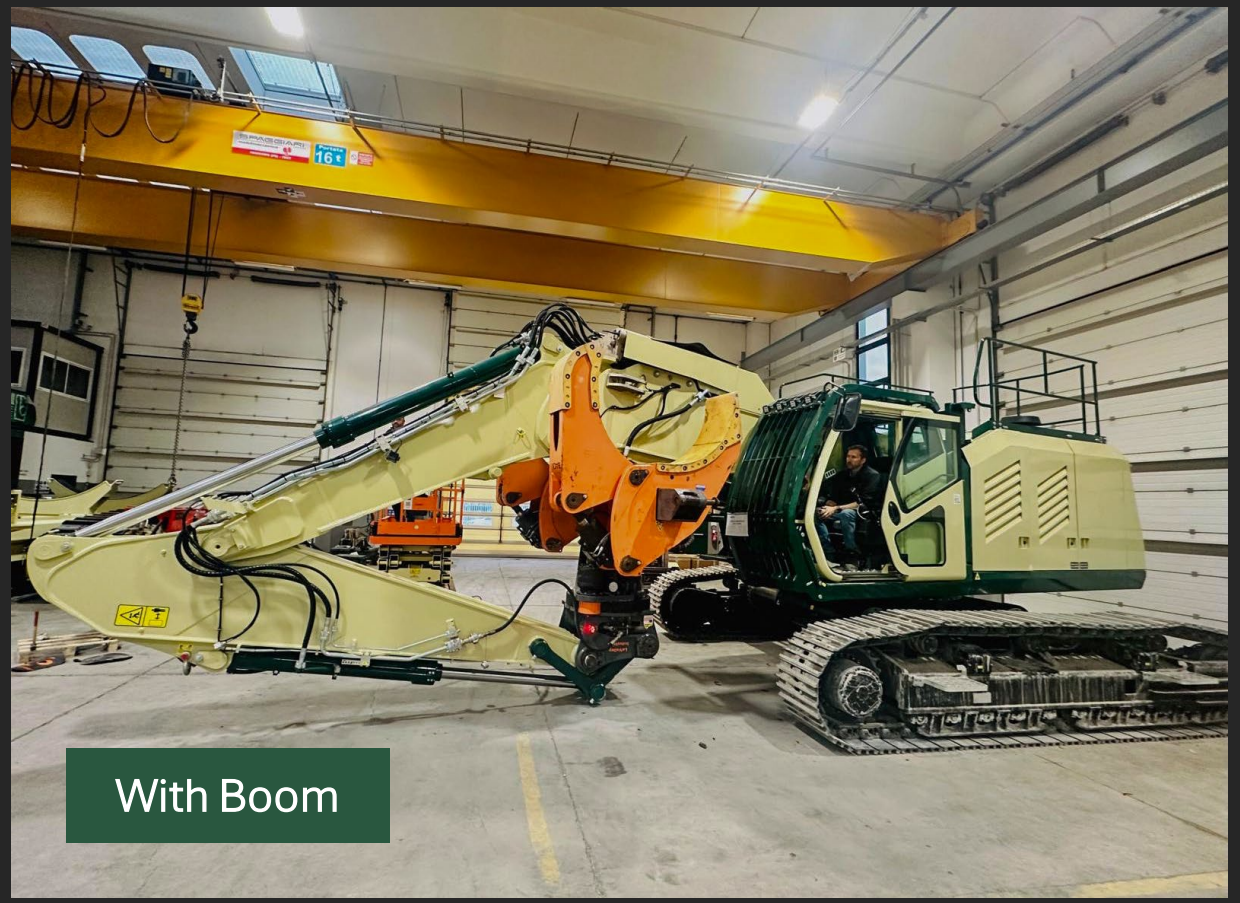


DECKHAND BOOM LIFT CHART

- 39-ton chassis
- DECKHAND included in payload calculation
- 350 HP engine



PIPELINER TRANSPORT CONFIGURATION



With Boom

Without Boom

MORE CAPABILITY, SMALLER PLATFORM

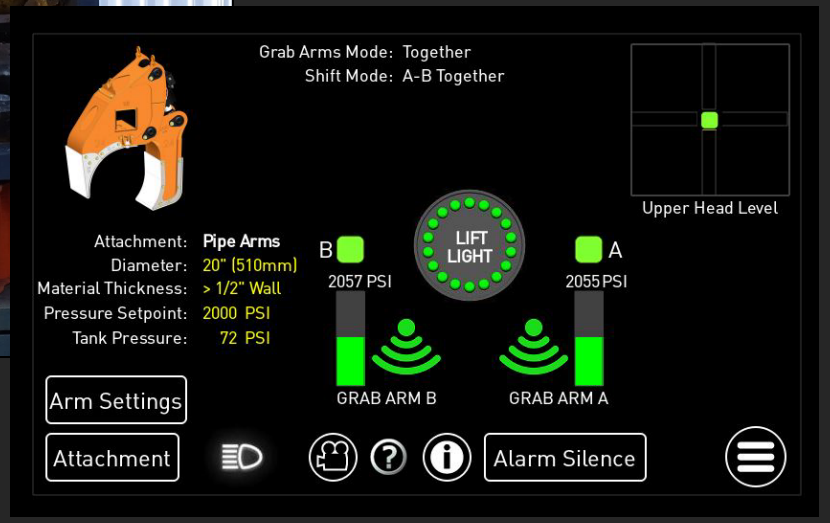
Increasing capacity without increasing machine size.

- Heavier lift capacity from a smaller chassis
- Improved maneuverability on constrained ROW
- Increased travel speed
- Reduced fuel consumption

ELEVATED CAB WITH FOPS

Improve visibility and safety during loading and unloading railcars and stockpiling.

- Elevated cab allows for better sightlines for monitoring load handling and positioning
- Cab protection guard a standard feature
  - FOPS (Falling Object Protection System)
- Elevates 5.5 feet
- Activated through In-Cab Control Panel



SEEING IS BELIEVING: INTEGRATED SAFETY

Anti-Tip System on SETTANTA

- Inclinometers and pressure sensors
- Monitored by control system
- Emits audible warning when machine approaches lifting safety limit

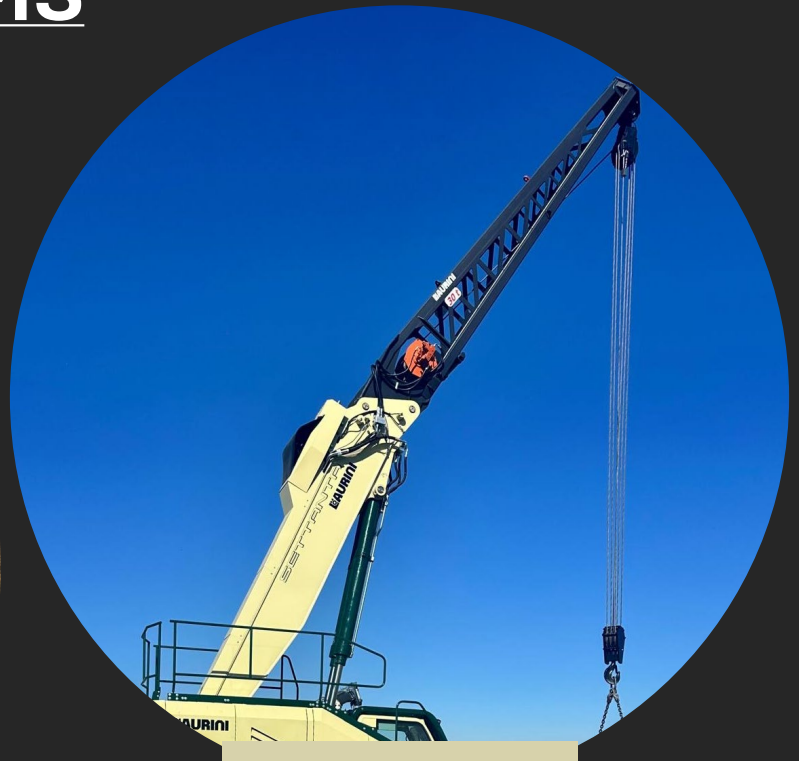
DECKHAND AutoClamp™ system

- Monitors hold status
- Automatically maintains grip during pressure loss
- Lift Lights indicate “safe to lift”
- Load holding valves and arm geometry for grip security

INTERCHANGEABLE BOOMS

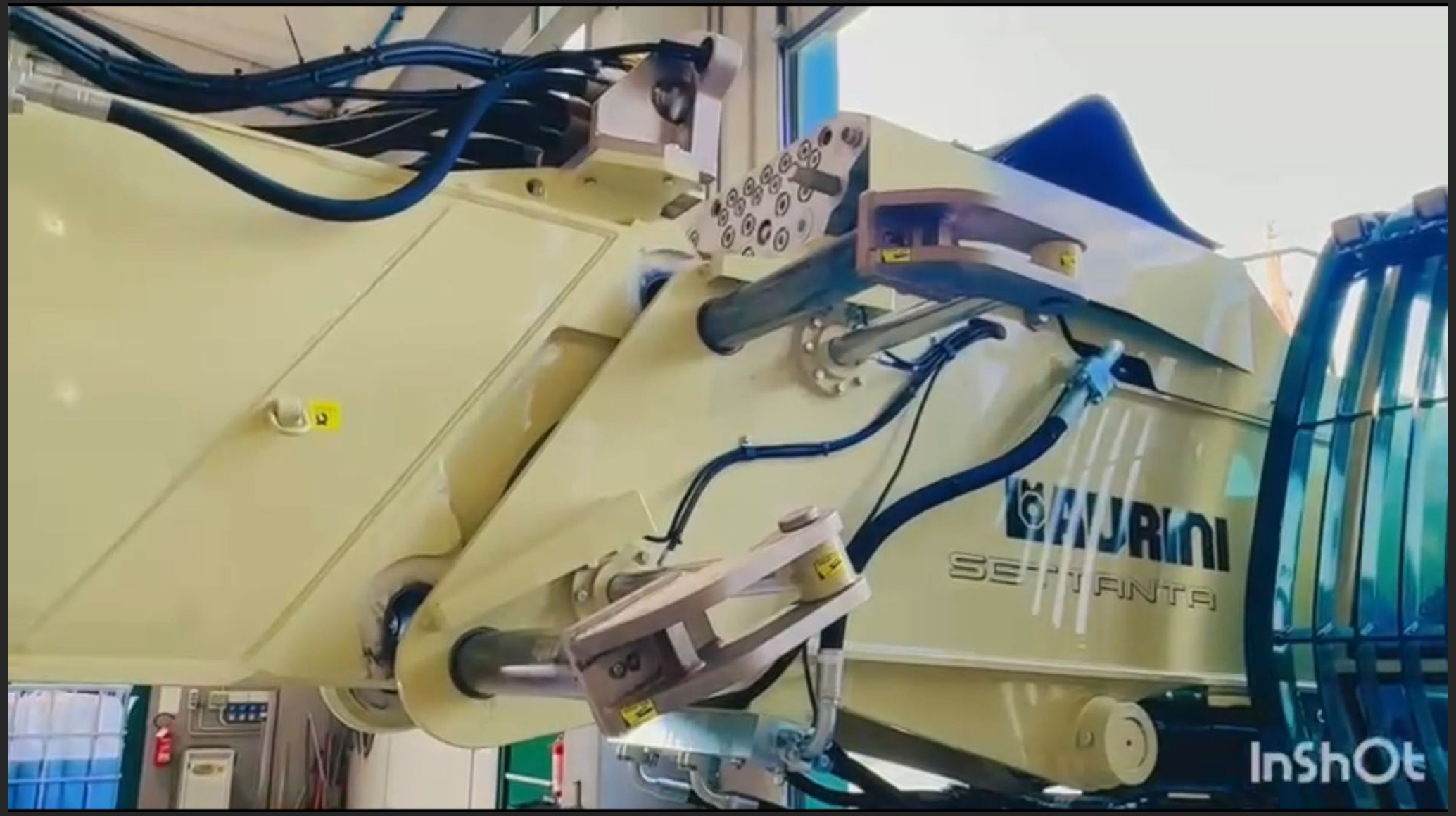
Digging Arm

DECKHAND Arm



Pipelayer Arm

BOOM CHANGE PROCESS



INTERCHANGEABLE BOOM CAPABILITIES

The SETTANTA PIPELINER can perform several jobs in the pipeline construction process.

- Quick Connect System allows for easy connectivity with hydraulics and electronics
- Dedicated auxiliary hydraulic gear pump
- Parameters controlled through In-Cab Display

PIPE HANDLING

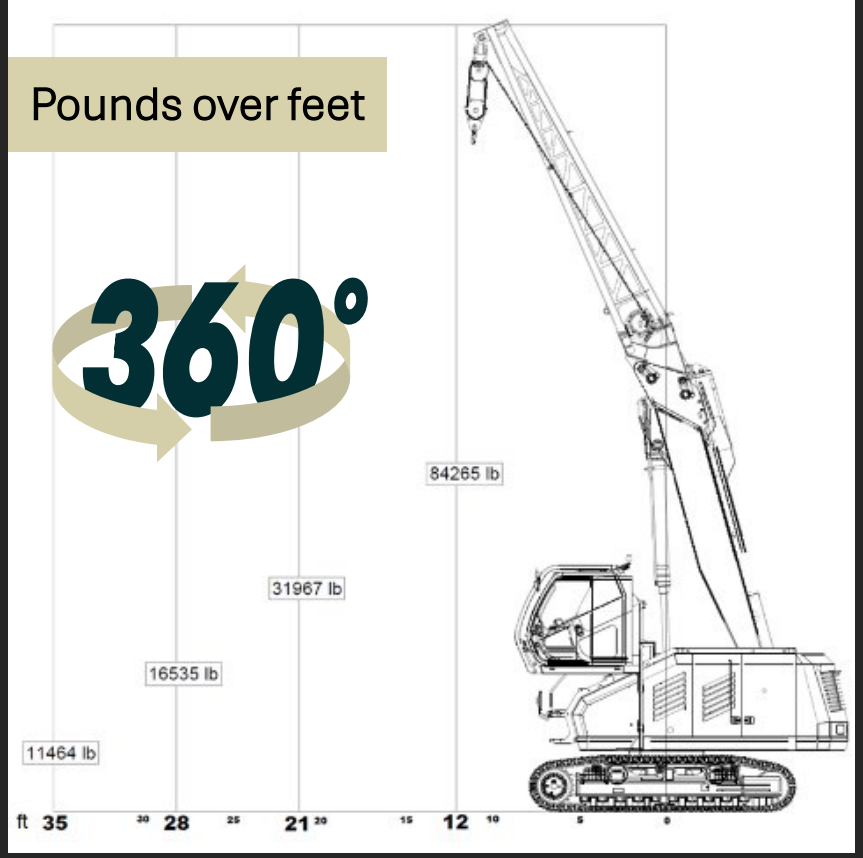
CRANE BOOM

Width: 1.9 m (6.2 ft)

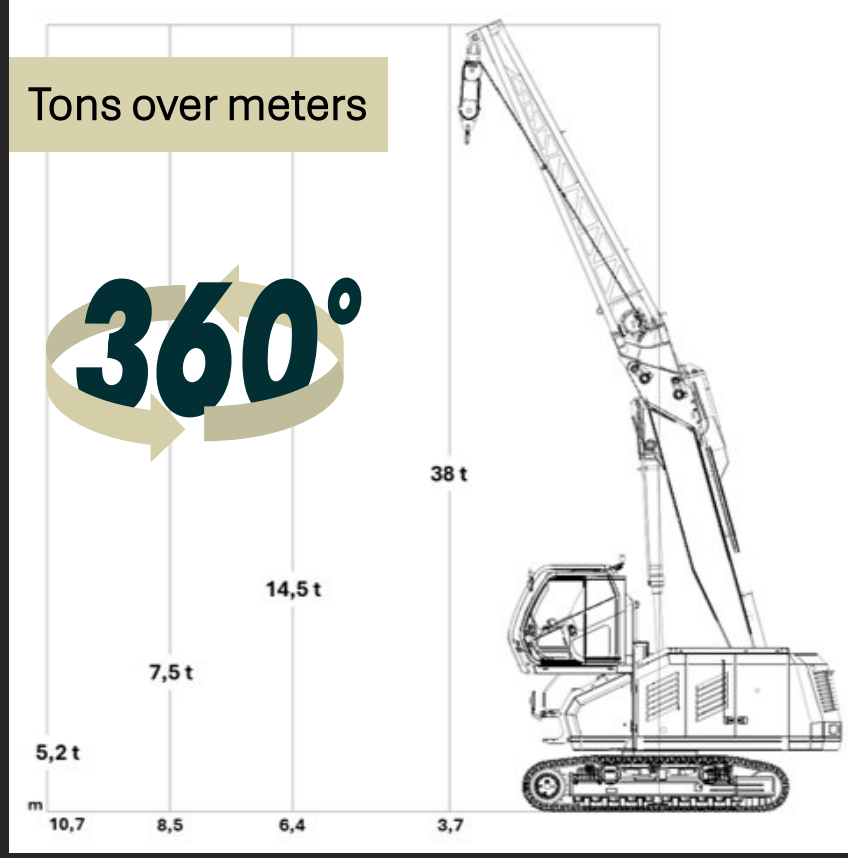
Height: 2.7 m (8.9 ft)

Length: 7.7 m (25.3 ft)

Pounds over feet



Tons over meters



OPERATIONAL FLEXIBILITY

- Dig trenches, string the pipe, and lower in—all with one machine
- Fewer machine types
- Simplified logistics
- Flexible use between projects
- Purpose-built, fully modular platform for pipelines

WHY THIS MATTERS NOW

- We’re at the limits of excavator capability
  - Pipe is getting heavier due to wall thickness requirements
- Equipment costs getting higher, fleet holding and maintenance costs getting higher

Pipeline construction has evolved around equipment originally designed for other purposes.

It’s time for an all-in-one solution.

Scan to download this presentation and access additional resources.

THANK YOU

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