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Forest Preserve District of Cook County

3/21/2024

Jason, Donald, and I thank you for your time today.

JEMS (Job Site Energy Management) System-Brochure is attached to the email.

JEMS S – Idle Mitigation and cab comfort – LR860E70RM can be added. (2024 Estimated Pricing \$54,998.00 includes delivery to and from Elizabethtown, KY).

The AF1472L (Chip/Dump Trucks) cannot. Unfortunately, they are on the ground with no extra space for the battery and control enclosures.

JEMS SE – (Small) Idle Mitigation, cab comfort and EPTO – AT40G can have this added. (2024 Estimated Pricing \$63,243.00 includes delivery to and from Elizabethtown, KY).

JEMS LE – (Large) Idle Mitigation, cab comfort and EPTO – LR860E70RM if fiber is in the boom. The 2 we have quoted are on the ground ready for work and they do not have the fiber in the boom. We would have to start from scratch if this is a must and I am estimating 2026 for that to be built.

Thank you for the opportunity.

Toni Tribby, Jason Pietrzyk and Donald Hensel.



JEMS S ANTI-IDLE

JEMS 
JOBSITE ENERGY MANAGEMENT SYSTEM

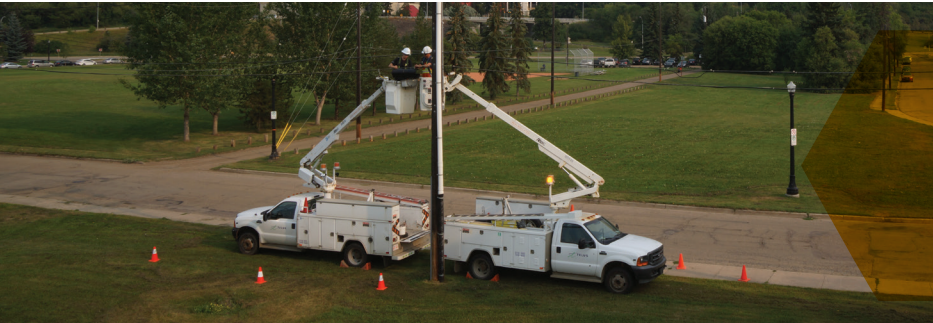
**PLUG-IN TECHNOLOGY
FOR REDUCING JOBSITE
ENGINE IDLE**

AUTOMATICALLY ELIMINATES JOBSITE IDLING

Trucks can unnecessarily idle at the jobsite for more than 65% of their total engine hours with cab comfort (AC and Heat) being one of the primary reasons for idling. Altec's Jobsite Energy Management System (JEMS) plug-in solution automatically eliminates jobsite idling providing operators with a safer, quieter, and more comfortable work environment while reducing fleet operating expenses (fuel and maintenance), engine hours and toxic emissions.



JEMS S Anti-Idle is an ideal solution for a wide range of fleet applications, that includes: pickups, service bodies, aerial devices, digger derricks, and more.



ENHANCED JOBSITE SAFETY

- Quiet, noise free operation improves awareness and ability to communicate
- Eliminates crew and general public exposure to vehicle emissions
- Ideal for use in residential neighborhoods or urban, commercial areas

INTEGRATED CAB COMFORT

- Eliminates the primary cause of jobsite idling
- Uses the OEM AC/Heat controls and delivers air through the factory vents
- Automatically maintains a comfortable cab temperature



UPGRADED PERFORMANCE

- Features energy dense Lithium-ion battery technology that ensures sufficient daily power output
- Continues to maintain optimal battery performance in harsh winter climates and dry, hot conditions
- Convenient charging options include: plug-in Level I & II (SAE J1772), mobile/jobsite charging (optional)

STAY PLUGGED IN WITH JEMS CONNECT

- Intuitive fleet dashboard to track JEMS performance
- Easily monitor fuel and maintenance savings, emissions avoided, and much more
- Identifies opportunities to optimize JEMS performance and eliminate jobsite idling



FLEET ELECTRIFICATION WITH JEMS

JEMS helps fleets meet their electrification and sustainability goals. Altec is committed to continue to partner with the Edison Electric Institute (EEI) and its members in support of plug-in technology and fleet electrification.



JEMS SE ePTO

JEMS® 

JOBSITE ENERGY MANAGEMENT SYSTEM

**PLUG-IN TECHNOLOGY
FOR REDUCING JOBSITE
ENGINE IDLE**

REDUCE JOBSITE IDLE, EMISSIONS, & NOISE

Quiet, emission free work sites can be achieved with Altec JEMS SE, a re-imagined, plug-in ePTO solution. JEMS automatically eliminates engine idle, reducing fuel consumption and maintenance costs. The upgraded, next generation JEMS SE includes simplified operator controls and a robust new energy system. JEMS SE can be paired with Altec AT-G, AT-ME/PE, and LR7 aerial models.



ENHANCED JOBSITE SAFETY

- Quiet, noise free operation improves awareness and ability to communicate
- Eliminates crew and general public exposure to vehicle emissions
- Ideal for use in residential neighborhoods or urban, commercial areas

INTEGRATED CAB COMFORT

- Engine-off heating and cooling eliminates the leading cause of stationary engine idle
- Simple, improved controls deliver conditioned air directly from the factory vents
- Maintains a safe, comfortable temperature for both operators and mobile office electronics



UPGRADED PERFORMANCE

- Advanced battery technology provides a 75% increase in engine-off time
- Cold weather performance improved via integrated battery warming system
- Convenient Level I & II plug-in options (SAE J1772)

STAY PLUGGED IN WITH JEMS CONNECT

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- Easily monitor fuel and maintenance savings, emissions avoided, and much more
- Identifies opportunities to optimize JEMS performance and eliminate jobsite idling



NEXT GENERATION OF FLEET ELECTRIFICATION

ePTO products are a great way to reduce maintenance costs and work zone noise. With ample energy for daily work and a sophisticated battery warming system, the new Altec JEMS is purpose designed for all-season operation. Harnessing customer feedback and over a decade of industry experience, the updated Altec JEMS delivers a simplified, easy to use operator interface. Let us help you achieve your future fleet electrification goals.



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JEMS LE ePTO

JEMS® 
JOBSITE ENERGY MANAGEMENT SYSTEM

**PLUG-IN TECHNOLOGY
FOR REDUCING JOBSITE
ENGINE IDLE**

REDUCE JOBSITE IDLE, EMISSIONS, & NOISE

Quiet, emission free work sites can be achieved with Altec JEMS LE, a re-imagined, plug-in ePTO solution. JEMS automatically eliminates engine idle, reducing fuel consumption and maintenance costs. The upgraded, next generation JEMS LE includes simplified operator controls and a robust new energy system. JEMS LE can be paired with Altec AA, AM, AN, LR, and TA aerial models.



ENHANCED JOBSITE SAFETY

- Quiet, noise free operation improves awareness and ability to communicate
- Eliminates crew and general public exposure to vehicle emissions
- Ideal for use in residential neighborhoods or urban, commercial areas

INTEGRATED CAB COMFORT

- Engine-off heating and cooling eliminates the leading cause of stationary engine idle
- Simple, improved controls deliver conditioned air directly from the factory vents
- Maintains a safe, comfortable temperature for both operators and mobile office electronics



UPGRADED PERFORMANCE

- Revamped ePTO architecture reduces noise and weight while improving equipment productivity
- Cold weather performance improved via integrated battery warming system
- Convenient Level I & II plug-in options (SAE J1772)

STAY PLUGGED IN WITH JEMS CONNECT

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- Easily monitor fuel and maintenance savings, emissions avoided, and much more
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JEMS BG



JEMS® 

JOBSITE ENERGY MANAGEMENT SYSTEM

**FLEET ELECTRIFICATION
TECHNOLOGY THAT
ELIMINATES JOBSITE IDLING**

A SMARTER WAY TO ELIMINATE GENERATOR JOBSITE IDLING

When it comes to reducing environmental impact and noise pollution, many jobsites where enclosed step vans operate are major contributors. The most common solution has been the on-board diesel generator running for up to 6-8 hours at the jobsite. JEMS BG (Body/Generator), however, offers a better solution: using advanced lithium-ion batteries that are integrated with the generator to supply power to the jobsite with uninterrupted productivity. Using JEMS BG in your fleet can improve your operating expenses by reducing your fuel cost associated with running the generator and maintenance cost necessary to keeping the generator up and running. Experience a quieter, safer, and emissions avoided jobsite today with JEMS BG.



DIFFERENT APPLICATION - SAME PROVEN JEMS PLATFORM

- Integrates with the generator to eliminate jobsite idling and delivers uninterrupted productivity
- Intuitive display to manage JEMS and easily monitor: status, battery level, and alerts
- Quiet, noise free operation improves awareness and ability to communicate

POWER YOU NEED FOR MAXIMUM PRODUCTIVITY

- Optimized daily performance with the advanced lithium-ion battery integrated solution
- Provides battery power to jobsite tools such as: manhole ventilation, lights, and electrical accessories
- Offers redundant jobsite power so the work day is not interrupted



ZERO COMPROMISES IN PERFORMANCE & RELIABILITY

- Convenient Level 1 and 2 plug-in options (SAE J1772)
- Continues to perform in harsh climates using advanced battery warming technology
- Factory installed: developed, manufactured, and serviced by Altec

STAY PLUGGED IN WITH JEMS CONNECT

- Intuitive fleet dashboard to track JEMS performance
- Easily monitor fuel and maintenance savings, emissions avoided, and much more
- Identifies opportunities to optimize JEMS performance and eliminate jobsite idling



COMPREHENSIVE FLEET ELECTRIFICATION SOLUTIONS – NO COMPROMISES

When it comes to Fleet Electrification, you no longer must sacrifice performance and reliability. Using the most advanced technology available, Altec has the solution for your electrification needs. With over 10 years of fleet electrification experience, Altec is the ideal partner to support your fleet's transition to electrification. Contact us today so we can help you achieve your fleet electrification goals.



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