



EASTERN GRAIN MARKETING, KANKAKEE, IL

CASE STUDY

## **Alimak rack and pinion elevators for grain loading facilities**

Access anytime, anywhere

**ALIMAK**

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# Alimak rack and pinion elevators for grain loading facilities

Started in 1927 by Illinois Farm Bureau members, GROWMARK Grain Systems is a regional cooperative that provides agriculture-related products, services and grain marketing in the Midwest and Ontario, Canada.

The Eastern Grain Marketing Kankakee Shuttle Loading Facility is a custom-designed, green field elevator facility. It was designed and is currently managed by GROWMARK Grain Systems. GROWMARK Grain Systems constructed the state-of-the-art facility using only the best quality products for dependability. The facility can hold two million bushels in storage space at the shuttle location.

The application of an Alimak SE300 Model elevator (man lift) was selected by GROWMARK as a cost-effective product for this green field facility. The man lift was easily installed on the leg support tower, constructed by LeMar Industries, which serves as the back bone to the facility design.

The Alimak SE300 elevator (man lift) will allow on-site personnel access to critical tower landings, several times a day. In addition, personnel will be able to transfer maintenance equipment (such as gearbox oil) and repair components using the 660 lbs capacity unit.

Alimak's unique rack and pinion drive design and rugged car and electrical components are specifically designed for outdoor use and avoid the need for an enclosed hoist way and separate supporting structure.



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**The installed SE 300 VFC elevator (man lift) features full collective operation – 2 Car Doors (enter at grade on one side of car and exit off onto platform levels at opposite side). It has a capacity of 660 lbs (2 person design), a lifting height of 196 feet and 6 landings. The car travels at 118 fpm and is attached to the LeMar Industries Tower system. The elevator (man lift) has an above ground pit and stair platform assembly that was furnished by Alimak.**

This design is very easily incorporated onto the exterior of new structures, as at this EGM facility, but is also easily retrofit onto existing grain facility structures (steel towers or concrete silo structures) as needed. Alimak is proud to support the Kankakee Shuttle Loading Facility, which provides for outbound distribution of Corn (approximately 440,000 bushels via rail) and Soy Beans (40-50 Containers) per day.

Alimak, with its Alimak elevator (man lift) and hoist products and mast climbing work platforms, is the world leader in rack and pinion driven vertical access solutions. Alimak elevators (man lifts) and hoists have been installed in over 1000 power plants worldwide on a variety of structures. In the US, over 700 such installations exist, many on chimneys, silos, and other industrial structures.

Alimak has many years of experience in installing Alimak elevator equipment in industrial environments, and can provide technical assistance in evaluating the best location and solution for your installation. After installation, Alimak's USA team of nationwide service professionals remains committed to satisfaction and can provide a range of parts, service, and maintenance solutions tailored to any operator's needs.



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## ELEVATOR DETAILS

Location:	Eastern Grain Marketing, Kankakee, IL
Product model:	Alimak SE 300 VFC
No of landings:	6
Capacity:	660 lbs
Elevator car size:	2'-6 3/4" x 3'-5" x 7'-1 1/2"
Speed:	118 FPM
Lifting height:	196 feet



[www.alimak.com](http://www.alimak.com)



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