

# E-CRANE®

The Modern Alternative



# ELECTRONIC MACHINE MANAGEMENT



The Electronic Machine Manager (EMM) is the reliable, user-friendly E-Crane® control system. The EMM is the link between the operator and crane necessary for safe, productive bulk material or scrap handling. For the mechanic, state-of-the-art software makes troubleshooting a breeze by displaying any warning or fault on the EMM dialogue module located inside the operator's cab. For the operator, adjustable user settings allow for even more precise and safe control of the crane.

An optional communication module allows for remote diagnostics and troubleshooting by our technicians—further reducing downtime. A second module can be added to allow for real-time system data to be transmitted to your network for monitoring.

# **HANDLE MORE MATERIAL FOR LOWER COSTS WITH UP TO 50% POWER SAVINGS.**

In terminals worldwide E-Crane® (equilibrium crane) is proving that its unique parallelogram design outperforms conventional cranes and material handlers in scrap and bulk material operations.

E-Crane's hydraulically pivoting, mechanically linked boom design keeps the machine in near perfect balance throughout its full working range. Having gravity work for you instead of against you reduces horsepower requirements and power consumption up to 50%.

## **One proven design. Unlimited custom solutions.**

E-Crane's modular design concept allows our engineers to tailor a custom solution for your needs, based on our proven core components. We offer five different series of machines based on capacity requirements: 700, 1000, 1500, 2000 and 3000. Within each series are models with different boom and stick configurations to suit your outreach requirements.

# LOW COST, RELIABLE SHIP UNLOADING



The unique E-Crane<sup>®</sup> design has been proven worldwide to be a reliable, low cost solution for unloading ships. With outreach up to 150 feet (50 meters) and duty cycle capacity up to 50 tons, the E-Crane is well suited for unloading ships up to Panamax class.

E-Crane<sup>®</sup> versatility compared to conventional equipment allows for midstream applications such as ship-to-ship or barge-to-barge processes, along with typical ship-to-quay operations.

The E-Crane<sup>®</sup> operates in near perfect balance throughout the duty cycle and requires less dock infrastructure than traditional ship unloaders, further reducing your capital, installation and operational costs.

# UNMATCHED VERSATILITY FOR SCRAP HANDLING



E-Cranes can be found in scrap yards all over the world, serving both mills and recycling centers. The versatile E-Crane® can unload scrap barges, feed large shears or shredders, stockpile and sort, as well as load charge baskets from a variety of undercarriages such as fixed pedestal, free standing pedestal, rail gantry, or crawler.

E-Crane's long outreach and vertical lifting range set it apart from traditional equipment. Further, the electric E-Crane® reduces your fuel costs. One E-Crane® can replace several material handlers with its ability to quickly switch attachments and tasks.

For steel mill applications, E-Crane has worldwide references and offers steel mills a proven scrap handling concept for improved performance and reduced overall costs.

## TURNKEY TERMINAL SOLUTIONS

# IDEALLY SUITED FOR BARGE UNLOADING



Dedicated systems for unloading barges are costly, inflexible and require an infrastructure that is expensive to buy and maintain. The unique E-Crane® design offers high barge unloading productivity up to 3000 tons per hour with the lowest possible cost-per-ton ratio.

E-Cranes are successfully unloading barges worldwide in “mission critical” applications where the E-Crane® is the only means of unloading. The simple E-Crane® design excels in applications with heavy-duty production cycles and difficult working conditions.

Furthermore, the E-Crane’s positive grab control allows for precision grab positioning, while the push-down force ensures full grabs for every cycle. This adds up to high productivity with very little clean-up.

# TURNKEY TERMINAL SOLUTIONS



**DESIGN.** Based on our experience in terminals worldwide, we can recommend proven solutions with the E-Crane® that best fit your requirements, such as floating terminals, barge handling systems, hoppers, and even material handling systems.

**MANAGE.** Our project managers will collaborate every step of the way to ensure the success of your project.

**INSTALL.** We will derive a custom installation plan for your specific needs to eliminate downtime of your facility or just minimize the on-site construction period.

**SUPPORT.** Our experienced field engineers will give your personnel the maintenance and operation training necessary for your production and reliability needs.

**‘GREEN’ & ECONOMICAL E-DREDGER®**

# 'GREEN' & ECONOMICAL E-DREDGER®



The E-Dredger® features the renowned E-Crane equilibrium principle for smooth, efficient, energy saving operation in dredging and related applications. These include sites where E-Crane customers typically operate, such as piling, ship salvaging, heavy demolition with dynamiting, classic dike works, construction of breakwaters, land reclamation, and beach and embankment preservation.

The E-Dredger® offers our clients a 'green' alternative: The unique balanced counterweight design saves energy and provides smooth, efficient operation on only 225kW (300hp). The automatic 'Superlift' mode helps reduce the need to discharge material from an overloaded grab when exiting the water, thus eliminating spillage of potentially contaminated silt.

# FAST 24/7 PARTS AND SERVICE SUPPORT



 E-Crane Worldwide / Indusign nv, Adegem, Belgium

- We stock all spare parts in our warehouses in Europe and the United States—no more struggles to find vendors or in-the-field emergency repairs.
- Our staff of expert technicians is on call 24/7 for field service support.
- Take advantage of our service and inspection contracts to cut costs and improve the life of your equipment.



E-Crane International USA Inc., Galion, Ohio



Oversized pins and bushings in combination with our central lubrication system minimizes bearing pressures and maximizes bushing and pin life.

Maintenance free mechanical link between the stick and the moving counterweight assures E-Crane remains in a near-perfect balance throughout its operating range—always.

A wide choice of boom and stick lengths with optimized design, featuring extra large and stiff box section structures for added strength and longer service life.

Hydraulic pumps only circulate fluid when called for by the operator, providing increased energy efficiency and reduced heat in the hydraulic system.

Two identical large-bore cylinders, featuring oversized spherical bearings and through-hardened steel bushings to ensure optimum service life.

Extra large, three-row roller bearing for enhanced durability.

Quiet, comfortable cab with excellent visibility and ergonomic operator control station comes standard with air conditioning.

Fully enclosed power module with excellent access to all service points provides simplified maintenance, thus saving time and money.

A wide variety of heavy-duty undercarriages includes fixed, free-standing, rail, crawler and barge mounts.

A wide range of attachments available.

