

INTELLIGENT TOWER CRANE RISK MANAGEMENT  
ANTI-COLLISION - ZONE & BOUNDARY PROTECTION - LMI SAFETY SYSTEM

# TAC-3000



EURO TCS SYSTEMS, LTD  
PROTECTING THE WORLD ABOVE YOU



# TAC-3000

## Intelligent Tower Crane Safety

### Why Choose The TAC-3000

The TAC-3000 requires less than 5 hours per crane for installation and commissioning, allowing minimal impact to production. The TAC-3000 has 99.9% operational uptime as compared to competitor systems. The TAC-3000 wireless 1 minute uploading feature significantly reduces downtime in instances of jacking up one of the crane's working height or when adding more cranes to the same site. Competitor systems require re-teaching of all cranes as each crane is commissioned.

The TAC-3000 requires no maintenance as there is no mechanical interface to the crane compared to competitor systems that require extensive crane modifications. Unlike competitor systems, the TAC-3000 allows all cranes in the same anti-collision control zone to work autonomously. Site managers have absolute control of the anti-collision system, thus preventing unauthorized bypassing or tampering. The TAC-3000 allows wireless off-site monitoring using a computer with the TACView monitoring software. The TAC-3000 performs a self-diagnostic test every 2 seconds. Any error detected will be shown on the monitor in front of the crane operator.

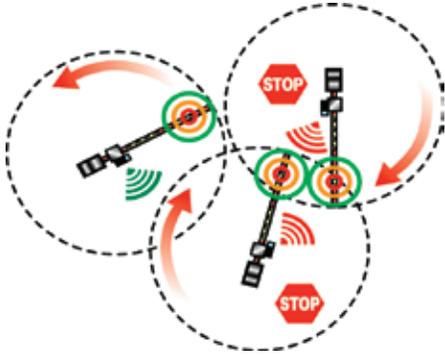


The TAC-3000 is a fully computerized LMI system for tower cranes. The features of the TAC-3000 safety system include: anti-collision safety, boundary protection, zoning control, swing angle indication, trolley position, wind speed indication, hook height, load weight, event recording, and crane status including the neighboring crane's status when multiple cranes are in use. The TAC-3000 is also ideal for companies that have older tower cranes that are in good operating condition and need to be updated with the latest in safety and load moment indication technology.



## ANTI-COLLISION & CONTROL

The TAC-3000 is a fully computerized anti-collision safety system for tower cranes that detects and anticipates the risk of hook block/hoist cable to jib or counter jib collision when multiple tower cranes are in use. When the risk of a tower crane collision is detected, the TAC-3000 safety system will calculate the relative distance in real-time between potential collision paths and send a signal to the other cranes, as well as alerting the operator with



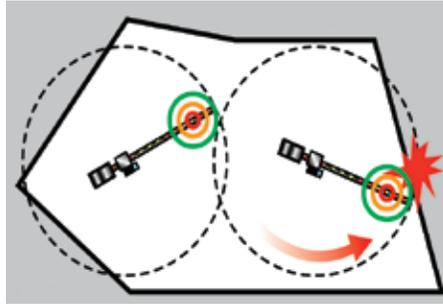
the collision information on the LCD monitor. This includes the collision direction and the identity of the colliding tower crane. The TAC-3000 will automatically decelerate and stop the tower crane's movement to prevent the collision. Slow, cut, and brake parameters are set at customizable distances to prevent swing shock.

## JOB SITE MONITORING

By utilizing the TAC-3000, job site personnel also have the ability to protect other areas such as mobile cranes, concrete pumps, etc. with the optional TACView monitoring system. It only takes a one minute upload to add or remove the additional protection areas. Another feature of the TACView software is event recording similar to a black box recorder on an airplane. This feature will provide a wealth of information to the job site management team, such as how many times a collision was avoided.

## BOUNDARY PROTECTION

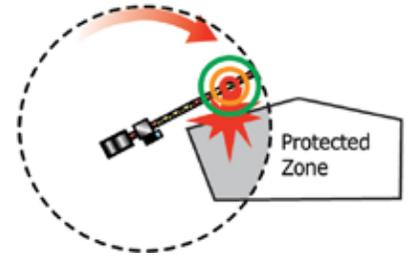
Due to the complexity of some sites, the TAC-3000 can be preset with a 25-point boundary protection area in which the hook block cannot operate or overfly. With the boundary protection safety feature, the tower crane operator will not accidentally overlook the jobsite boundary surrounding the site since the cranes' hook



block is only allowed to work within the site. This safety benefit is especially important with tower crane utilization in congested areas such as cities, roads, or public areas.

## ZONE PROTECTION

If your tower cranes are operating over areas of high congestion, ground crews, and or job site trailers, you need a tower crane zone protection safety system. The TAC-3000 can protect up to 6 prohibited



zones in which the hook block or jib are not allowed to operate. Crane operators will not accidentally overlook the no-fly zones within the job site.



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