

Case Study
(2-Minute Overview)

R&M's Spacemaster[®] SX Electric Wire Rope Hoist in a Special "Dual Capacity" Application



OVERVIEW: The project required a double girder top running crane with one hoist for use in a special dual capacity application. The runway was designed with a 40-ton zone at one end and a 10-ton zone at the other end. The hoist and crane had to have a maximum capacity of 40-ton but be restricted to 10-ton when needed.

"Our customer presented us with a relatively difficult request to limit a 40-ton crane to just 10-ton when it was in a certain area of their runway. R&M said "no problem" and easily solved the request with their HoistMonitor product."

*Kevin Picklo
OMI Crane Systems, Inc.*



R&M Materials Handling, Inc.
4501 Gateway Blvd.
Springfield, OH 45502
Ph: (800) 955-9967
Fax: (937) 325-5319
www.rmhoist.com

Features/Benefits Provided:

HoistMonitor Elite

- Intermediate Load Limit Settings

Restricted Area Protection

SOLUTION: R&M provided a QX Modular Crane Package utilizing the Spacemaster[®] SX electric wire rope hoist with the optional HoistMonitor Elite (a control device that provides advanced diagnostic information and customized functionality to hoist and crane operations) and engineered Restricted Area Protection. A feature of the HoistMonitor Elite is "Intermediate Load Limit Settings". This feature used in conjunction with the engineered Restricted Area Protection option set a 10-ton capacity restriction on the crane when it was positioned in a certain area of the runway. If the crane traveled into the 10-ton zone with more than a 10-ton load, it stopped until the excess load was removed. While in the 10-ton zone, the crane's capacity was limited to 10-ton, but in the 40-ton zone it was able to lift its maximum capacity of 40-ton.

Innovation ...

Performance ...

Reliability

WRAP UP: The R&M HoistMonitor Elite combined with the engineered Restricted Area Protection option allowed the crane to operate at a 40-ton or a 10-ton, depending on its position along the runway.

Proud Member of the
Hoist Manufacturers
Institute

