

# Reading Crane – R&M 200 Ton Crane Project

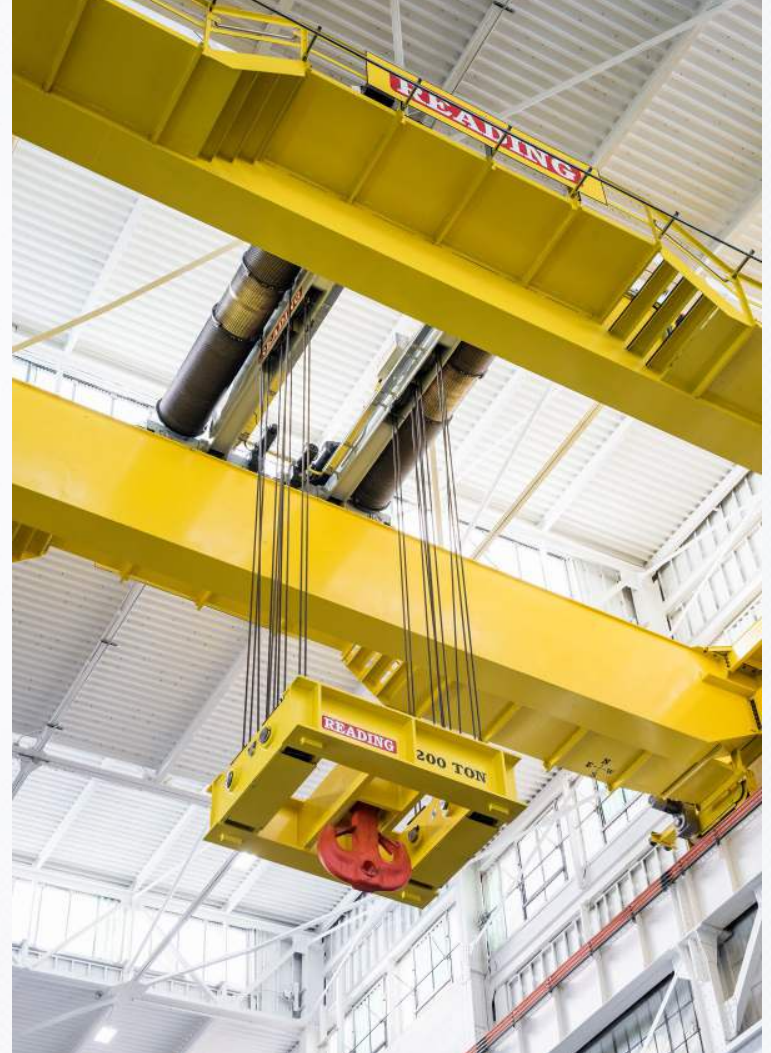
## 200 Ton Crane – Two R&M SXL 100 Ton TRDG Hoists



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## Customer Specifications:

- 200 Ton, 58ft hol.
- VFD controls for all motions
- Operate on existing 100# rail
- Micro-speed capability
- Inching / indexing capability for the hoist & trolley motions
- Duplex (sister hook)

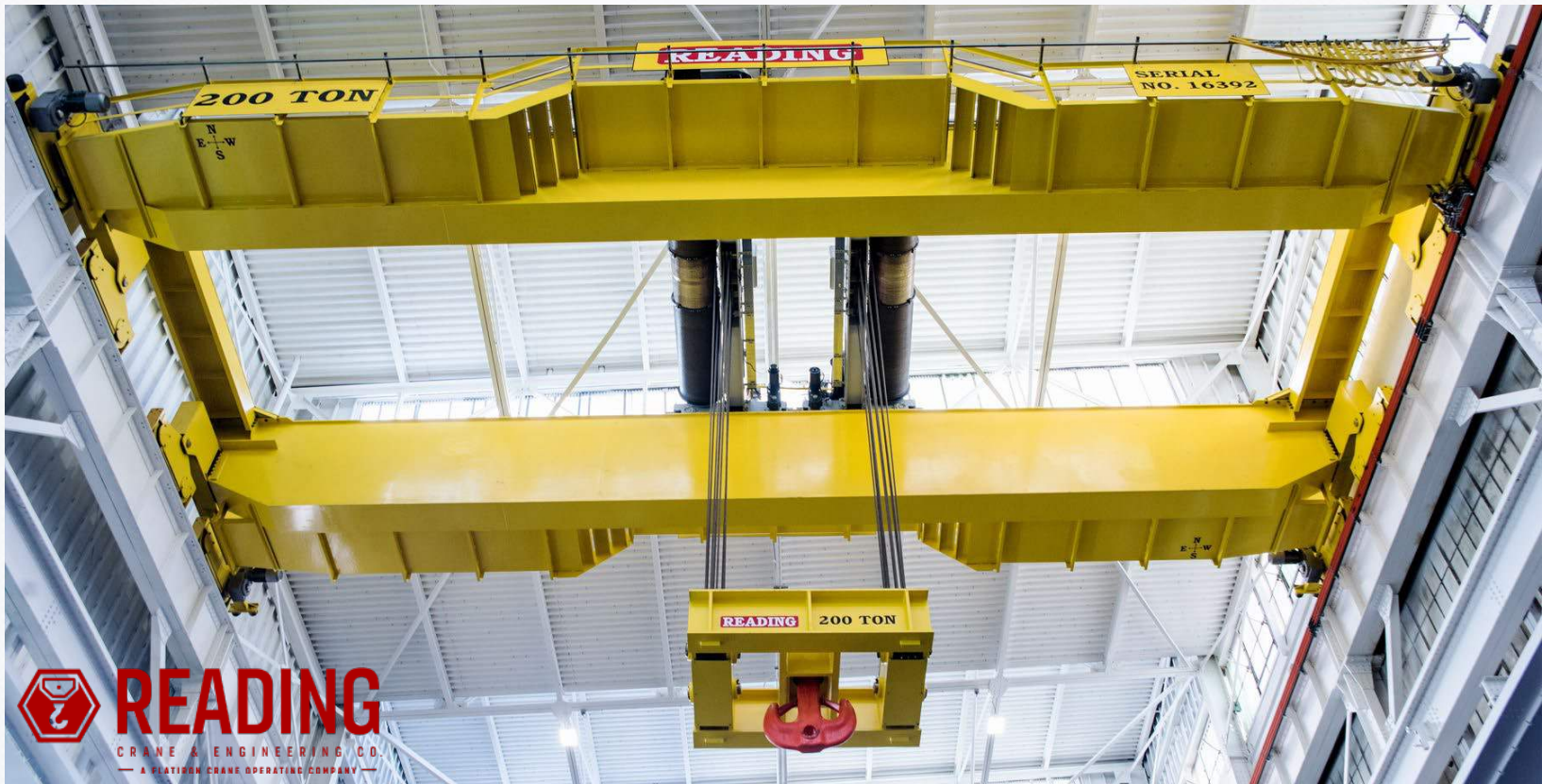




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## The Solution:

- SXL190520334F: 2 EA
- Hoist duty group: ASME H2
- Height of lift: 58'- 0" (77'-8" Available)
- Hoisting speed, high: 7.90 ft/min
- ESR extended speed: 16.00 ft/min
- Trolley rail gauge: 17'-4 11/16



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## The Solution:

200 Ton Reading Crane Lifting Beam with R&M Lower Block Sheaves



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## The Solution:

### Drivecon Crane Controls

- 5 Motion VFD, radio control
- Hoist / trolley closed loop
- Micro speed all motions
- PLC – inching / indexing capability for the hoist and trolley motions



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## Fabrication:

Partially completed hook block & girder with walkway





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## Fabrication: Final Assembly

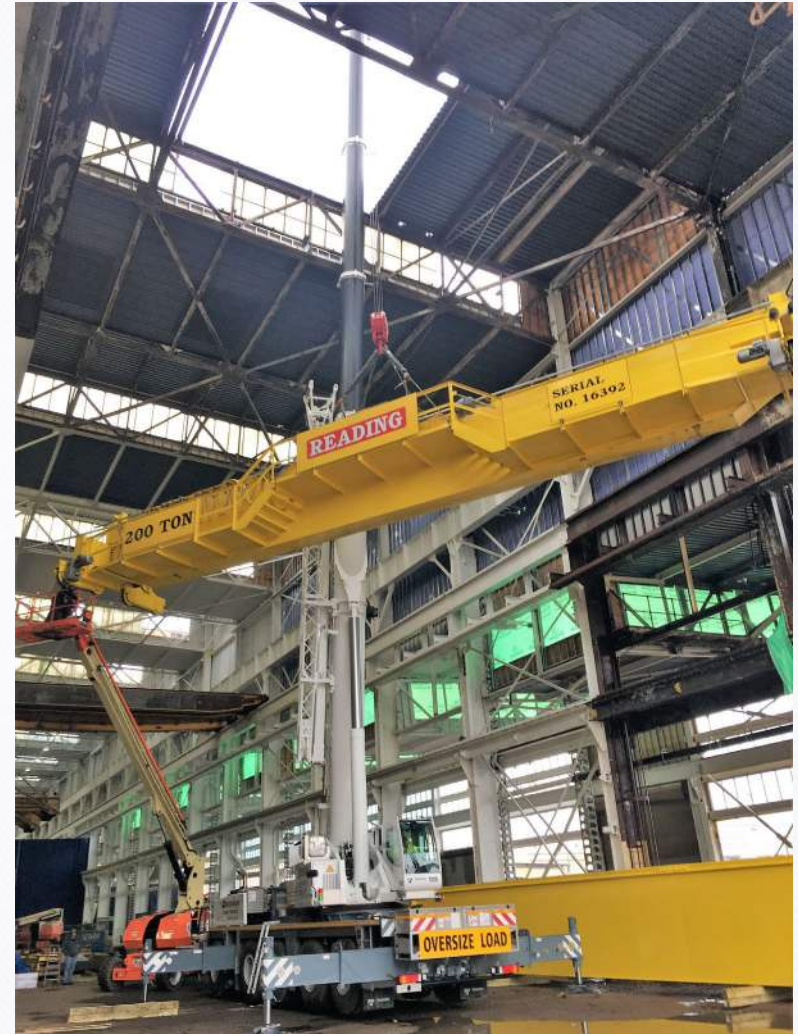


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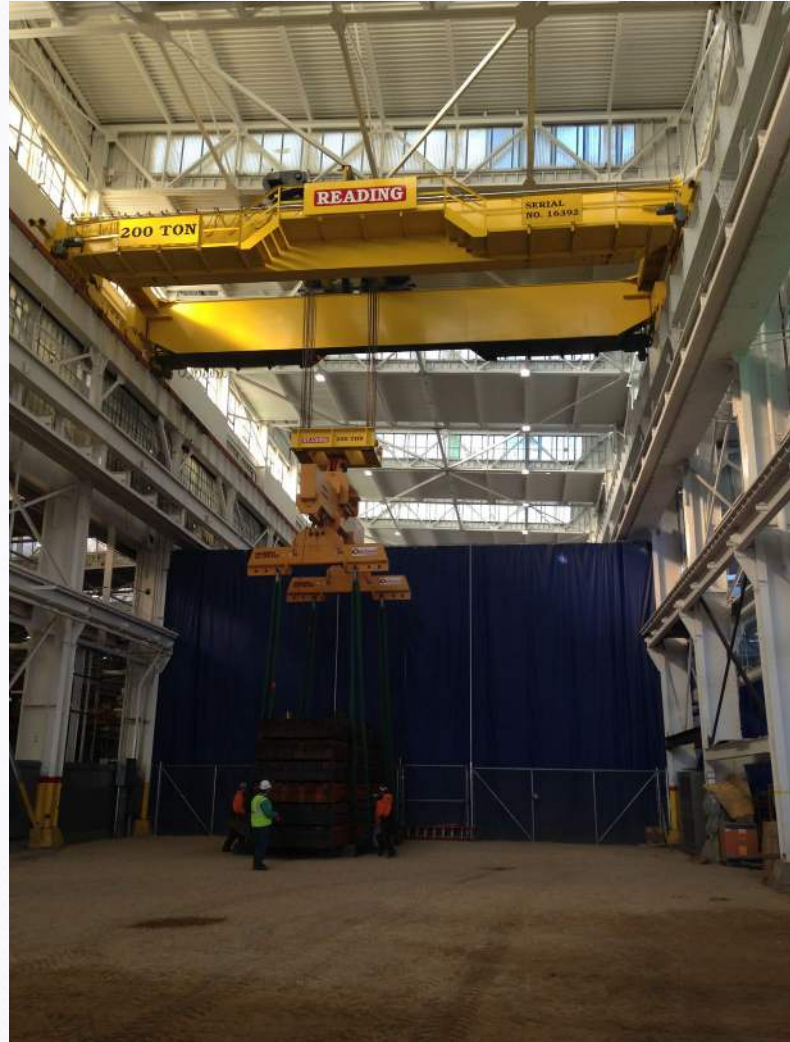
## Installation:





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125% Capacity Load Test:



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## The Results:

*The unique hoist design has allowed us to increase the under-hook height capability which further improves our ability to pursue ambitious large fabrication and assembly projects. After seeing it in action during our load test, our team was impressed and sold on the design. The crane runs extremely smoothly and quietly; we're excited to show it off to our customers.*

*~ End User*