

## WARRENPOINT HARBOUR AUTHORITY

cameras on a mobile harbour crane provide live safety coverage of activities on the vessel during discharge as well as of the cargo set-down area on the quayside

### *the challenge*

The majority of recorded accidents/incidents in 2023 and 2024 had occurred inside the hold of vessels. Whilst there is excellent CCTV coverage throughout the port, this does not cover the inside of holds of vessels. We believed that, if we could fit CCTV cameras to mobile harbour cranes, this would give us great insight to the activities within the holds and would be invaluable in assisting with accident prevention and incident investigations.

### *the innovation*

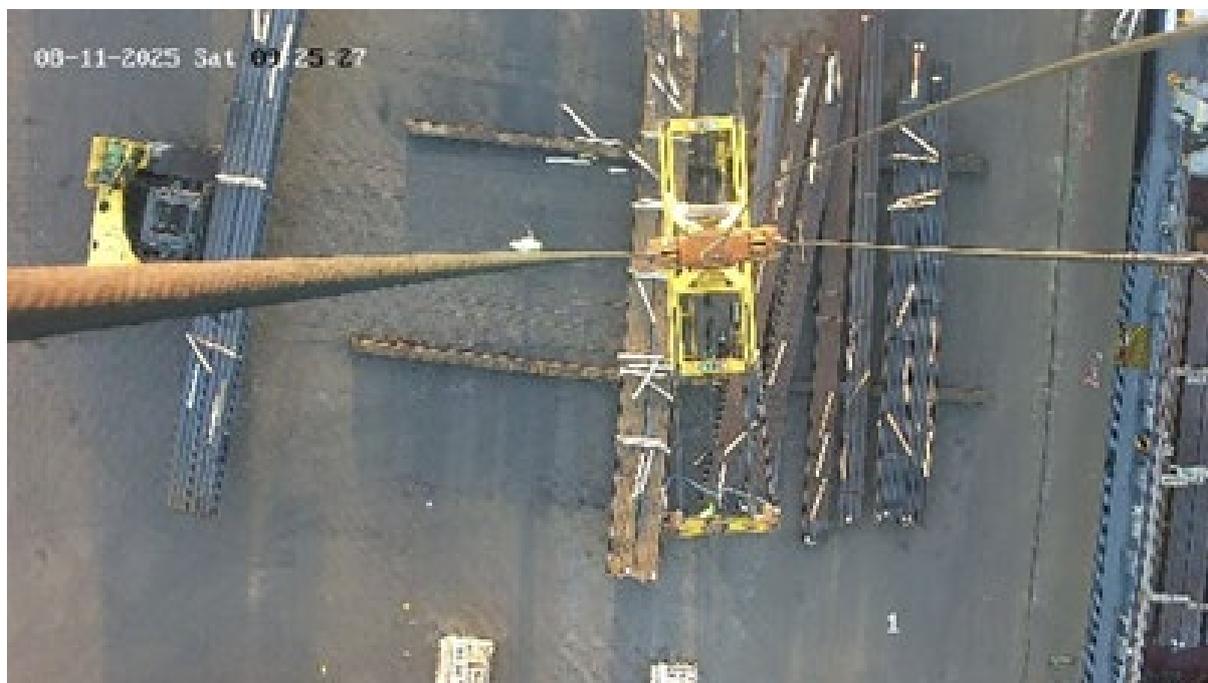
We liaised with our CCTV camera system supplier and arrived at a solution for installing five cameras on a mobile harbour crane. These cameras provide live coverage of activities during vessel discharge. Due to the positioning of the five cameras, this also provides coverage of the cargo set-down area on the quayside



### *how it was implemented*

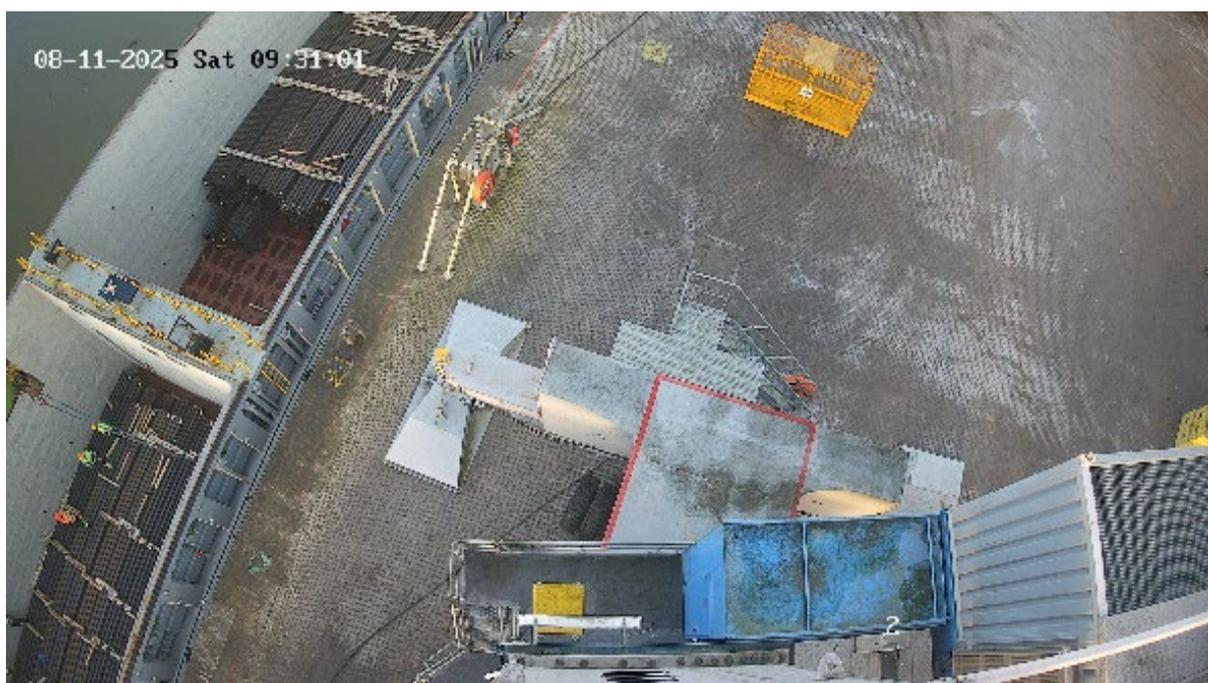
We consulted with the crane operators and ran a number of trials with “Go-Pros” to ascertain the optimum positioning of the five cameras. It had already been decided that five cameras would be required to ensure 360o coverage whilst the crane is in operation. Additional

booster aerials were installed both on the crane and on the highest point on an adjacent silo, thus ensuring constant signal. Captured footage is stored on the port server.



*result*

We have already been able to review one incident where a stevedore was injured whilst discharging steel cargo. Also, we have been able to routinely monitor operations within the hold remotely. We now intend to roll these out on the remaining mobile harbour cranes.



*conclusion*

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LINK: <https://warrenpointport.com/>



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