



CASE STUDY:

HOISTCAM

"The HoistCam has proved to be a valuable piece of kit on this site due to the fact that space is so limited and the buildings have a complex shape with a restricted view for Tower Crane operators. It has given our crane operators clear vision of the blind loads being slung, thus enhancing site safety."

Alex Clements, VINCI Construction UK

Project: Polden Student Accommodation Development
Sector: Construction
Location: University of Bath

Duration: 18 Months
Value: £34.5m
Product: HoistCam

Introduction

VINCI Construction UK is in the process of building two new student accommodation blocks on the University of Bath's main Claverton Down campus on the edge of the city. The accommodation is due to open in Autumn 2018 and will comprise 293 en-suite bedrooms in 37 flats across two buildings arranged around a landscaped courtyard.



The £34.5 million development forms part of the university's strategy to attract students of the highest calibre to Bath and the new accommodation is specifically targeted at postgraduate students seeking the highest quality living space. For the first time on campus the accommodation will offer dedicated communal learning areas including boardroom-style meeting rooms with the latest AV facilities.



Challenge

As the site is based on the university's primary campus, space is severely restricted. The buildings also have a faceted structure and a dog leg shape, making lifting of loads extremely difficult for operators of Tower Cranes. The project requires a series of blind and complex lifts on a confined site.

Solution

FLG Services provided the HoistCam for use in conjunction with Tower Cranes on this project to eliminate the possibility of blind and distant lifts. Comprising a wireless crane camera system that magnetically attaches to the hook block within minutes, the HoistCam dramatically improves the operator's vision of loads being picked up. It transmits a clear video to the operator's cab, so that the operator can visually check that the area is clear of both obstructions and operatives. With a run time of 8-24 hours, it is used throughout the full working day.

Results

VINCI Construction UK has been extremely impressed with the HoistCam, It has helped to increase productivity and enabled precise control of the load on the Polden Development site. It provided additional assistance to the operator when lowering the load in conjunction with the banksman and radio communication and enabled remote monitoring of the site with clear, aerial views. The site is on schedule to open in Autumn 2018.



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