



Case study

Emirates Stadium

Client

Emirates Stadium

Problem

Safe means of access required to stadium infrastructure— all located at height.

Solution

Latchways cable fall protection systems.

Product Details

Horizontal and vertical ManSafe® cable systems, single point anchors and Latchways Personal Rescue Device® (PRD®).

Background

The Emirates Stadium—located in Islington, North London—is one of the world’s largest stadiums with a capacity of over 60,000, with its highest point standing at 46 m, the stadium dominates the London skyline. The stadium takes the form of a 3-tiered “bowl” and is designed with a glass and steel construction—which the Architects proposed would sparkle in the sunshine and glow at night. Between football matches, music concerts and other events, the stadium attracts hundreds of thousands of people every year making it an extremely high profile venue.



Problem

As with all large-scale, multi-purpose venues, there are numerous locations and pieces of equipment that require inspection on a routine basis—such as floodlights, TV gantries, and CCTV cameras. With a structure of such proportions, it is inevitable that many of these are located on the rooftop, or on high-level gantries/walkways, and so—as dictated by the Work at Height Regulations (WAHR)—maintenance staff working at height must be using suitable fall protection equipment.

Solution

Following a full site inspection, HCL Safety Ltd—one of Latchways’ Registered Installers—specified a series of horizontal and vertical cable-based systems, as well as single point anchors to offer the required fall protection for staff working at height. Working closely with the site Design Team HCL was able to provide optimum solutions that included systems being fitted to the stadium’s structural steel work.

Floodlight Access

4 x ManSafe cable systems totalling 450 m in length.

Telecoms Masts and Air-con Units

8 x ManSafe cable systems systems totalling 26 m in length.

TV Gantries

40 m ManSafe cable system and Latchways Pushlocks.

General Maintenance

5 m and 9 m ManSafe cable systems (for The Club shop roof and Highbury House Roof) with Single Point Anchor D-Rings. 8 x Constant Force Post systems totalling length 364 m—fixed onto single ply—for access to the lower roof.

To be used with the systems, HCL provided all the associated PPE including the Latchways Personal Rescue Device (PRD). In the case of a fall, the PRD would not only arrest the fall but then also allow the wearer to facilitate their own rescue—activated with a simple parachute-style release cord.

"I'm a massive Arsenal fan, so I actually quite look forward to inspecting the Latchways systems at my home team's stadium! The Stadium is huge, and it's only when you're up on the roof that you fully appreciate the true scale of such a structure. Our annual inspection of the systems ensure that all components are in good working order so anyone using them, whether it be maintenance staff or TV crews, can do so safe in the knowledge that they are fully protected whilst going about their jobs."

Ben Aldridge,
Team Leader (London South), HCL Safety Ltd.

Latchways plc

All around the world, people work safely at height thanks to Latchways' fall protection systems. With over 35 years of experience at the cutting edge of fall protection they set the standard for innovation, performance and quality. Latchways are trusted to ensure worker safety on a wide range of buildings and structures, as well as throughout various industries, such as aerospace, energy, utilities and telecommunications sectors.





All photography courtesy of Ben Aldridge, Team Leader
(London South), HCL Safety Ltd.

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