

Press Release

11/12/2017

Cundall structural engineering design at heart of Hearts new Main Stand

Cundall engineers have celebrated the opening of Heart of Midlothian's new Main Stand at Tynecastle Park, Edinburgh. The international multi-disciplinary engineering consultancy was employed by the Club as the Civil & Structural consultants from feasibility through to completion on a multimillion pound project that has created a new 7000 seat stand plus approximately 80,000 sq ft of club space.

After assembling an initial set of options for the new main stand roof to allow cost comparisons, the decision was taken for Cundall to progress with a detailed design for the "Girder Truss" option, which the Club had chosen as it was cost effective and completed the arena, matching the existing stadium design philosophy. The three existing stand roofs are carried on corner towers, two of which Cundall had designed to accept the additional load of a future new fourth stand. The latest truss is supported on bearings at each tower, with the booms of the trusses employing sections of varying wall thickness for economy.

With the main stand having to remain in place and useable to the end of the 2016/17 season, the greatest challenge became installing the 80T, 105m girder truss 'over' the existing historic main stand. This was successfully achieved in February this year and, at the end of the season, the existing stand was demolished and the remainder of the new stand built during the summer close down.

"This is an important project for Cundall. The Stadium is a local landmark and it's not every day you get to land a 105m long truss onto it. We have worked for the Club since the 1990s, and were the engineers on the three other stands at Tynecastle Park, so this feels like we are now able to "finish off the job" started 30 years ago!" says Neil Dely, Partner at Cundall.

Work started on site in December 2016, with Cundall also undertaking the civil engineering design (drainage and external works) and key utilities and servicing strategies.

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Note to Editors:

Images:

CGI courtesy of Cundall. Please credit images as indicated in file name.

Cundall: 40 years of clever, friendly engineering

Cundall is an international multi-disciplinary engineering consultancy with over 800 staff and offices in 11 countries across the globe.

2016 saw Cundall (Cundall Johnston and Partners LLP) celebrate its 40th anniversary. Established in 1976, Cundall's founding partners shared a common vision that the practice would become a leading multi-disciplinary engineering consultancy built on sound ethical principles. For 41 years, Cundall's engineering expertise, coupled with creativity, innovation and a deep-rooted understanding of people and communities, has allowed the business to develop the best possible solutions for clients' projects. We are Clever, Friendly Engineers.

Harkening back to the founders' roots, sustainability is integral to our approach. We provide our clients with practical advice and solutions, which reduce the environmental impact of developments, and provide better spaces for building users and occupiers, as well as for the wider community.

Cundall is the world's first consultancy to be endorsed as a One Planet Company. As a business, Cundall has implemented several sustainable initiatives on projects around the world, as well as in our offices and homes. For example, Cundall's new London office at One Carter Lane is the first building in the UK and Europe to achieve WELL Certification through the WELL Building Standard™ (WELL), a goal intended to put the health and wellbeing of the occupants at the heart of building design.

For more information about Cundall, please go to www.cundall.com. Alternatively, you can find us on Twitter at www.twitter.com/Cundall_Global
To find out more about Cundall's One Planet Company commitments, visit <http://www.cundall.com/About-Us/Sustainability/One-Planet-Company.aspx>