

Construction of
NATIONAL TRAIN CONTROL CENTRE
Heuston Station, Dublin



Contractor

PURCELL
BUILDING INTEGRITY

Supported By



Riadas na hÉireann
Government
of Ireland

Tionscadal Éireann
Project Ireland
2040



Contracting Authority



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INTRODUCTION TO THE PROJECT



The National Train Control Centre (NTCC) will be Iarnród Éireann's centre for the management and regulation of train movements on the Iarnród Éireann network. The centre will also provide real-time customer information at stations, on our website and social media platforms. The existing Iarnród Éireann central train control centre is due for replacement due to capacity constraints with the existing IT systems nearing life expiration.

A modern replacement National Train Control Centre will enable the integration of signalling and communications control across the entire Iarnród Éireann network, making rail traffic management more efficient. A significant customer benefit of the new NTCC will be increased train performance and the availability of up to the minute accurate real-time travel information for trip planning.

Funding for the implementation phase of the National Train Control Centre is being provided by the Government of Ireland (through the National Transport Authority) as part of Project Ireland 2040



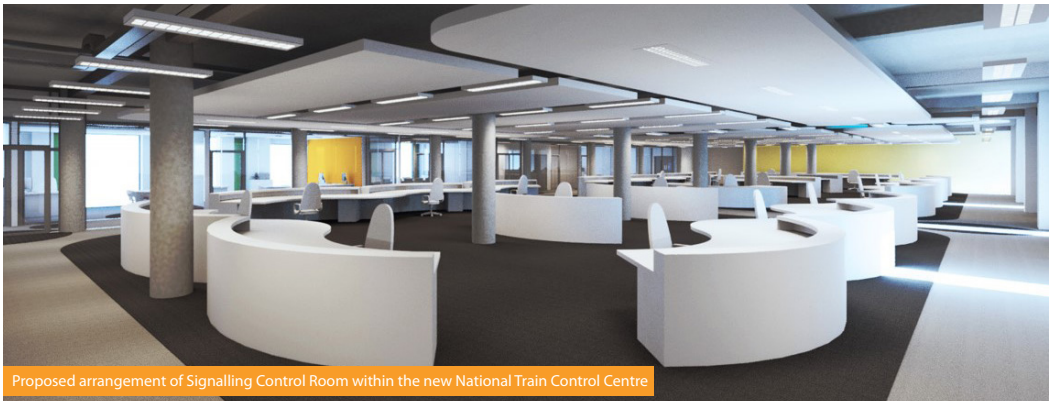


BACKGROUND TO THE PROJECT

The existing Iarnród Éireann Centralised Traffic Control centre (CTC) is located in Connolly Station and dates from the 1970's, with a significant extension in the 1980's to facilitate control of the DART.

As Iarnród Éireann has replaced and upgraded its track, signalling and communications infrastructure the workload has increased on the existing CTC and it is now operating at capacity and with aged technology. At present approximately 75% of the rail network (approximately 1500km) is controlled from the existing centre.

The remaining 25% is controlled at a number of local locations throughout the network and cannot be integrated with the existing CTC due to the capacity constraints.



BENEFITS & REASON FOR THE PROJECT



Benefit for all Iarnród Éireann customers:

- It will deliver a common source of information accessible to all stakeholders, improving the provision of Customer Information Services to the travelling public.
- The control of the entire network from a single location will lead to improvements in the management of service disruptions, reducing the impact to passengers.
- The new Traffic Management System will provide tools to facilitate conflict free train service delivery, recovery and incident management which will deliver travel time savings and punctuality improvements to Iarnród Éireann customers.

The NTCC will provide the following benefits:

- It will accommodate capacity growth on the existing and future network, including the DART Expansion programme.
- All traffic control can be integrated in a single location, using a modern Traffic Management System.
- Obsolescence issues facing the existing train control infrastructure will be resolved.
- Heavy rail traffic control will be optimised across the Iarnród Éireann network.
- The full benefits of investment in track, signalling & communications infrastructure over the past decade will be realised when the entire network is controlled from a single location.
- The new centre will incorporate an emergency strategic command centre for co-ordinating inter-departmental response to an emergency event.
- The replacement centre will be future proofed to allow for the integration of planned and potential network infrastructure developments and improvements on the heavy rail network.
- The existing CTC at Connolly station will be retained and developed into a back-up centre.

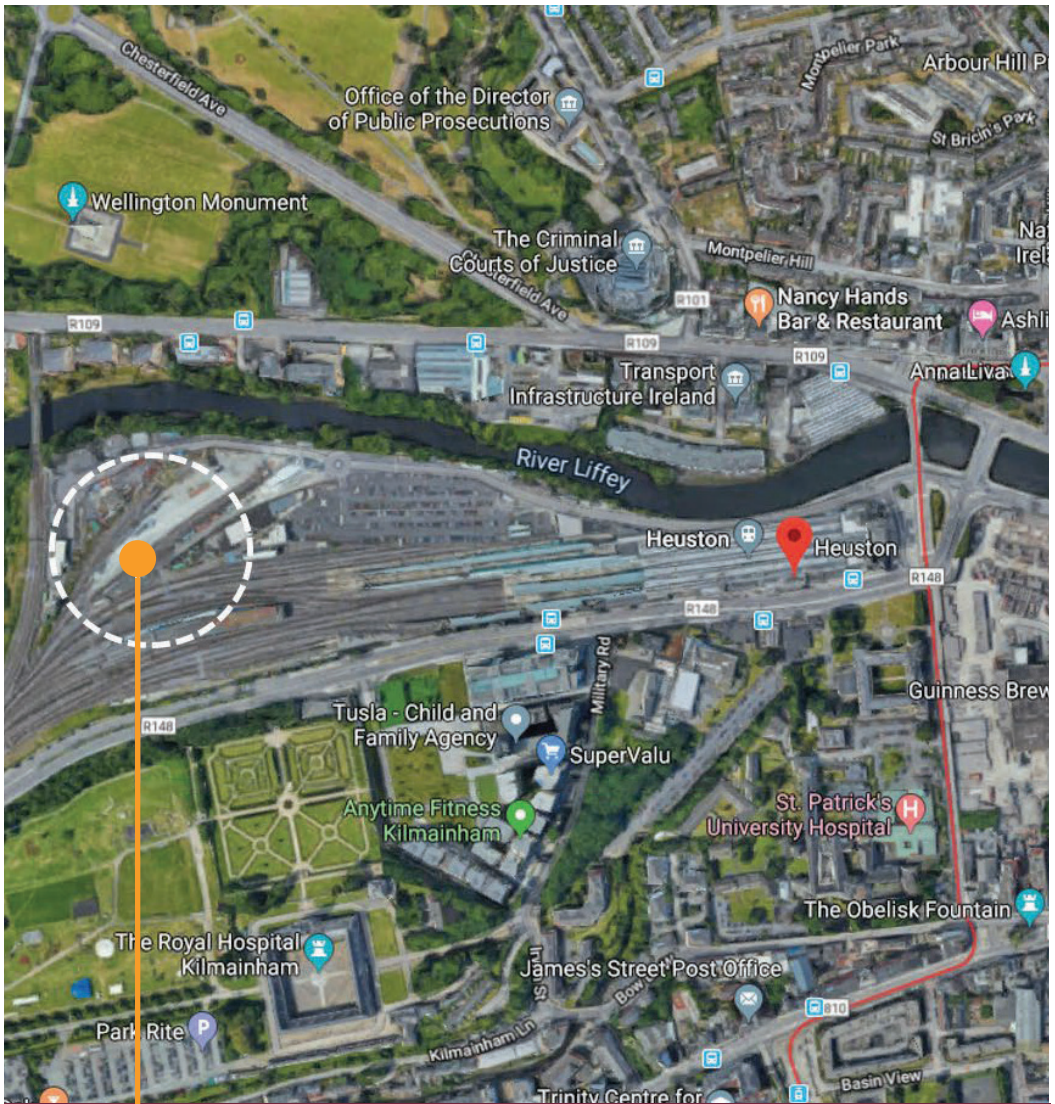


PROJECT DESCRIPTION & LOCATION

The proposed site for the new National Train Control Centre is situated within the operational railway yard to the rear of Heuston Station, Dublin, located at the rear of the existing carpark as outlined overleaf.

The facility will comprise of a 5,500m² building constructed over 5 floors over basement. The basement level will serve as staff welfare area, locker rooms and first aid room while the upper floors will accommodate signalling and control rooms, office space, meeting rooms, staff facilities and also include secure areas to house plant and equipment areas.





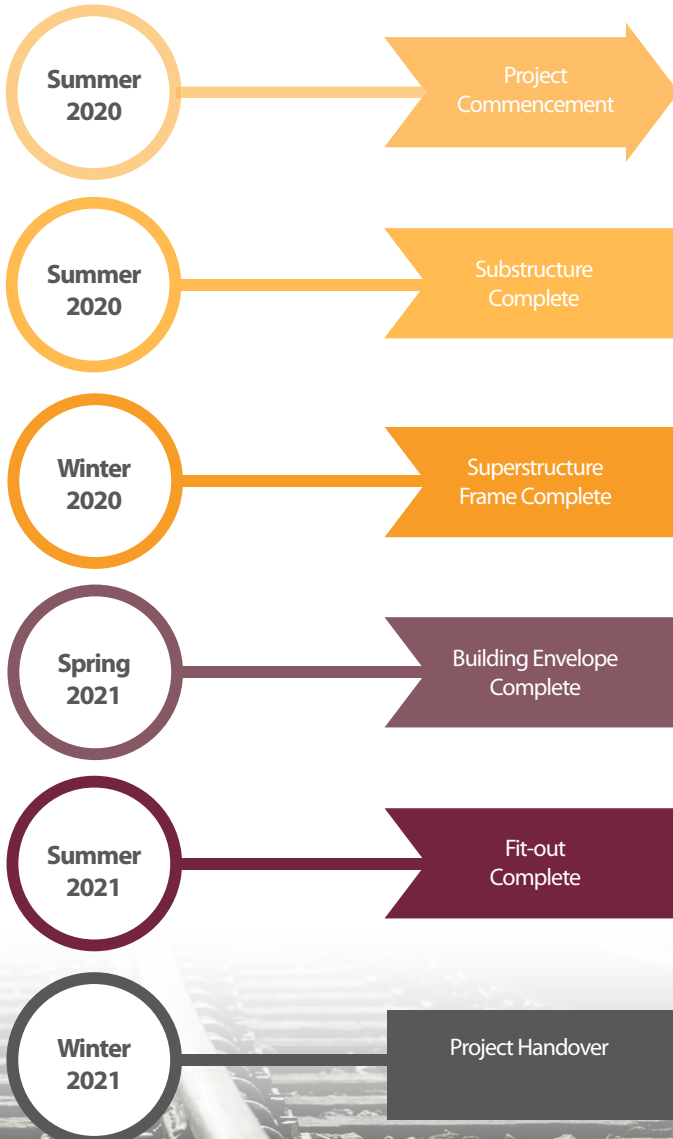
SITE LOCATION

Site Address:

Heuston Station,
St. John's Rd. W,
Dublin,
Ireland



PROJECT ROAD MAP



ENQUIRIES



This newsletter is intended as an information guide for all neighbouring residents and businesses. All project enquiries and any queries from adjacent residents regarding construction will be received via a dedicated 24-hr construction response line and e-mail account, per the details below.

General Enquiries & 24hr Response Line



01 96 30 730 (*Monitored 24hr*)



ntcc@irishrail.ie

Postal Correspondence



NTCC Community Liaison Officer

Purcell Construction,

Office Block B,

Hyde Square,

654 South Circular Road,

Dublin 8.

D08 W9FD





UPDATES

If you would like to receive project updates, please register your email address at the link below, or by direct email to **ntcc@irishrail.ie**

Simply scan the QR code with your phone camera and follow the link to registration.

Scan the QR code





NATIONAL TRAIN CONTROL CENTRE PROJECT

Thank You

