

# T BOURKE



MECHANICAL &amp; ELECTRICAL CONTRACTORS

## PROJECT NEWS

### Q4, 2016

DUBLIN &amp; LIMERICK

## New Business School for Trinity College Dublin

In August 2015, Trinity College Dublin was granted planning permission for one of the most ambitious projects on the campus in years. The €70 million business school is to be located on the corner of the Dublin city center site backing on to Pearse Street.

Today, that planning has followed through to project tendering and award with T Bourke delighted to be appointed as mechanical contractor for the development.

The development which will be almost 12,000 sq.m in size, will house a 600-seat auditorium, a smaller auditorium, a 140-seat lecture theatre and several smaller lecture halls. There will also be an innovation and entrepreneurship hub, which will provide incubator space and offices for businesses, to encourage links between students, faculty members and the business community. A roof garden will be located on the top floor along with a "small hot desk office for the Provost".

In recent decades, the college had bricked up these buildings and other historic shop fronts along the street, presenting a bleak and

lifeless frontage along much of the southside of Pearse Street to west of the overhead railway line. Trinity has in the past defended its treatment of Pearse Street, saying its decline as a shopping street had much to do with the constant heavy traffic, the lack of parking and safe set-down facilities for would-be shoppers, and unpleasant environment for pedestrians.

The new scheme for Pearse Street will see the reinstatement of shops along the ground floor of the six buildings. Instead they will be opened up for a cafe. Student accommodation will be located on the first and second floors encompassing six apartments each with four bedrooms, three singles and one double. These apartments will be for "advanced, executive-level students, rather than the undergraduate-level students" the college said.

The business school project is part of a €295 million capital investment plan, outlined in the college's 2014-19 Strategic Plan.



### Mechanical Plant Refurbishment

The summer months are the typical time for companies, institutions and organizations to take the opportunity for routine and emergency plant replacement. The summer of 2016 was no different with T Bourke involved with two significant boiler house refurbishments. National Aquatics Centre and Dublin County Council offices. Both jobs finished on time and budget.



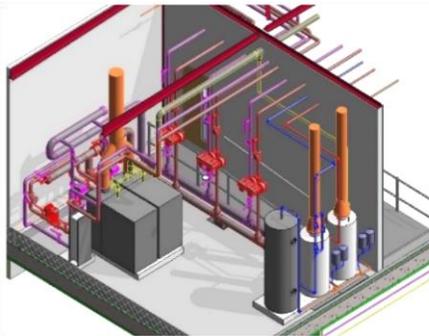
### Hospital Expertise

The Beacon hospital is the location of some of the most challenging medical operations. However when it came to live mechanical plant installations, T Bourke successfully delivered a challenging mechanical install with full hospital services remaining open for duration of works.

NEWS BITES

**BIM @ DIT Grangegorman**

The DIT Research Hub building is open nearly a year now and is proving its capability as a modern up to date teaching facility. Although it is not one of the largest on the campus it is certainly one of the most challenging from a services point of view. The five storey building houses laboratories, offices and lecture rooms. While conventional in certain areas with radiators and trench heaters providing heating to the spaces it is complex in other zones with vacuum, compressed air and natural gas to lab benches.



The low pressure hot water (LPHW) system is designed at condensing temperatures with two modern eco condensing boilers to allow for redundancy and services options. The design also incorporates natural ventilation, a heat recovery wheel and heat recovery coils on lab extract. The system design is also futureproofed with the provision of district heating mains connection via a plate heat exchanger. As part of the campus overall scheme, a central energy centre is planned with a network of distribution pipework to be linked throughout the site. Work has already commenced on parts of the scheme.

Unique to the building is the ventilation system. As there are several fume cupboards located throughout the laboratories, it is critical that their operation is correct. A bespoke duct mounted room ventilation control valve on both supply and extract regulates the set room pressure. It compensates for changes in air pressure (fume cupboard operation) by increasing airflow when pressure drops within its specified range. This therefore maintains a constant air pressure in the space at all times.

**Pharma Expertise**

T Bourke continue to serve the process and pharma sector working with international clients and indigenous Irish companies. We are involved with BD Medical, Abbot and Dell.



*Better Life cycle; T Bourke staff taking part in the annual charity cycle. This event took*

T Bourke was the mechanical contractor for the Department of Agriculture laboratories located in Celbridge, Co. Kildare.

**5 Star Service**

No stranger to the hospitality sector. T Bourke has worked with a host of five star hotels including Fota Island, Doonbeg, Four Seasons and Breaffy House Hotel.



Today, the company's electrical division are working on delivering a high class project at the Merrion Hotel in Dublins city centre.

**T Bourke & 'Better Life Cycle'**

T Bourke were delighted to support the Better Life Charity cycle which took place in Spanish Point in County Clare on Saturday of the June Bank holiday weekend.

Over 120 cyclists gathered at the Bellbridge House Hotel for the 8.30am start. This annual event took

cyclists through some of the most spectacular scenery of the wild Atlantic way with routes of 100 and 170km available to the cyclists. In a different format to most sportives, cyclists were grouped by ability and started in groups of 20. This allowed for faster average speeds and safer cycling.

All groups stopped at one of two food stops in Corofin before splitting up into separate groups for the return trip back to Spanish point. Weather on the day was fantastic with spectacular views out to the Aran Islands and some superb west Clare scenery.

The funds raised from the event goes towards St Joseph's Foundation in Charleville, Co Cork who provide people with disabilities the opportunity to live the life of their choice to their fullest potential. Over the last three cycles the committee have raised over €250,000.

COMPANY HISTORY

1968

Established by Ted Bourke in 1968. The company set up offices in Dublin on Rathmines Road Lower. The company's primary focus was mechanical contracting and one of the first large project secured was the Royal Dublin Hotel on O'Connell St. Dublin 1.

2016

Niall Bourke, Managing Director is residing MEBSA president representing mechanical and electrical contractors at Construction Industry Federation.

CONTACT INFORMATION

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