



**nZEB1-15**  
**29 May 2015**  
**Introduction**

**Dublin School of Architecture**  
**College of Engineering + Built Environment**  
**DUBLIN INSTITUTE OF TECHNOLOGY**

**Cormac Allen** Assistant Head of School (Architectural Technology)



## Context: Dublin Institute of Technology

### DUBLIN INSTITUTE OF TECHNOLOGY

College of Business

College of Arts & Tourism

College of Sciences & Health

College of Engineering & Built Environment

### COLLEGE OF ENGINEERING & BUILT ENVIRONMENT

School of Planning & Transportation

(planning)

School of Electrical & Electronic Engineering

(electrical services engineering)

School of Mechanical & Design Engineering

(building services engineering)

School of Surveying & Construction

(surveying & management)

School of Civil & Structural Engineering

(civil & structural engineering)

School of Architecture (+ Building)

(architecture + construction)

School of Multidisciplinary Technologies

(multidisciplinary)

**Built environment disciplines**

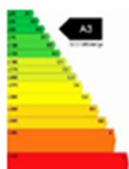
### DUBLIN SCHOOL OF ARCHITECTURE (+ BUILDING)

Architecture

Architectural Technology

Building





# gullwing-RETROFIT

You are cordially invited to

## gullwing-RETROFIT

A presentation  
by

Dublin School of Architecture Postgraduate Certificate (DAER)  
Springboard students

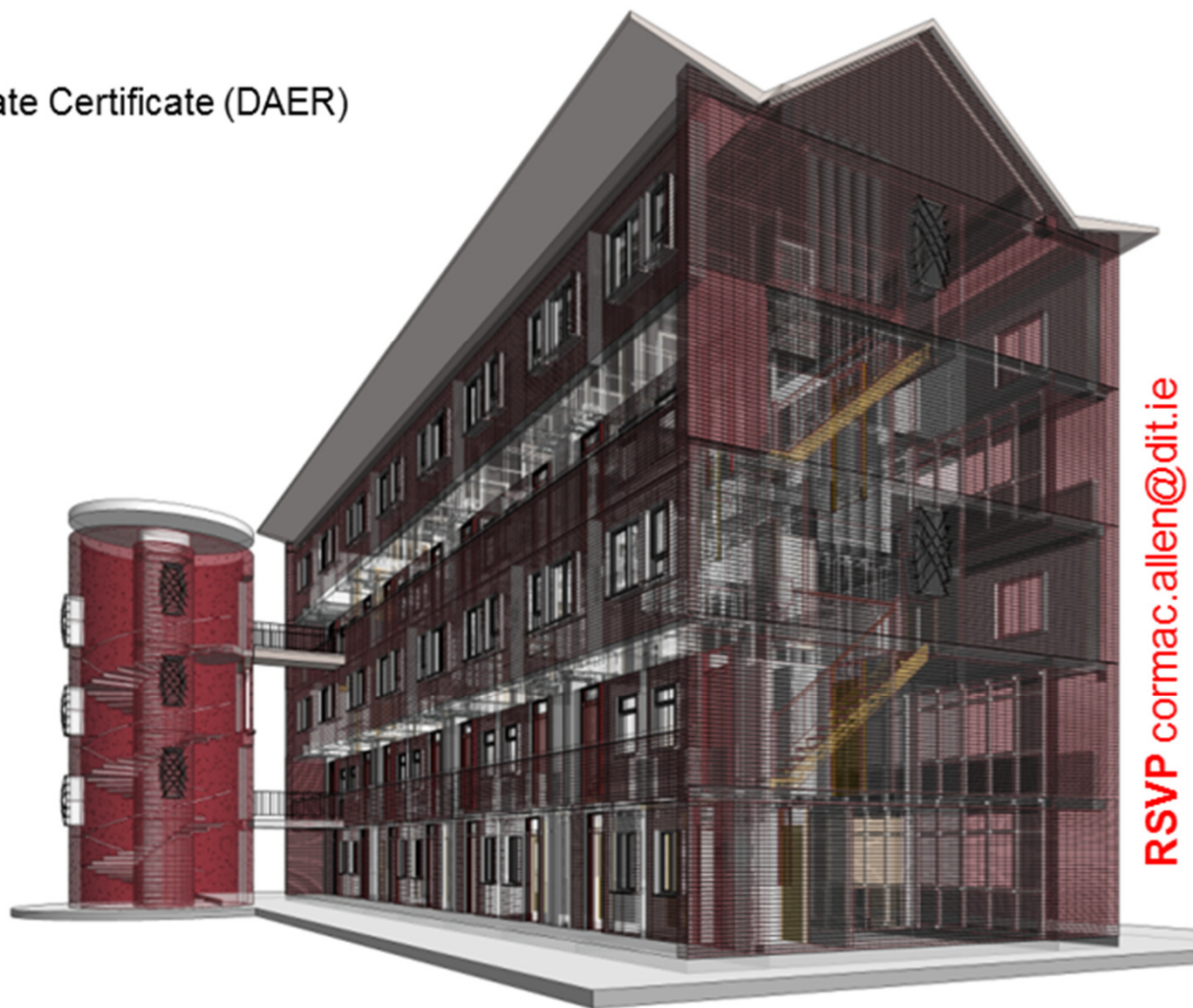
of proposals for deep energy retrofitting  
of a Dublin City Council  
multi-unit residential flat block

**Friday 8 June 2012**

**15.00 – 17.00**

**Room 259  
Dublin School of Architecture  
DIT Bolton Street  
Dublin 1**

*and afterwards to the opening of  
Dublin School of Architecture  
SHOW12*



**RSVP** [cormac.allen@dit.ie](mailto:cormac.allen@dit.ie)



You are cordially invited to

## flatTOP-RETROFIT 2013



A Dublin School of Architecture presentation of

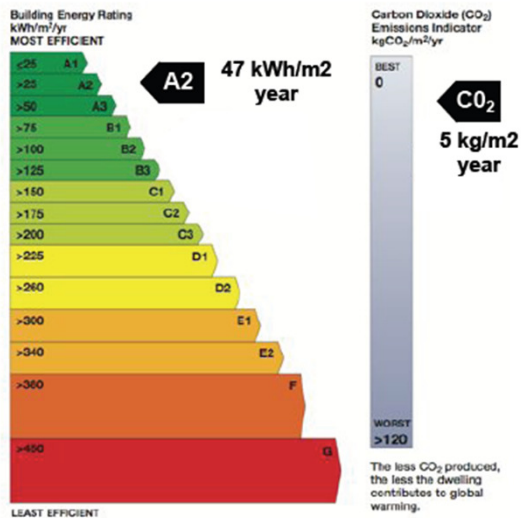
- Springboard supported programmes
- MSc (Energy Retrofit Technology)**
- CPD Certificate (Thermal Bridge Assessment)**
- CPD Diploma (BIM Technologies)**
- CPD Certificate (BIM Architecture)**

featuring the Near Zero Energy Building (NZEB) sustainable retrofit of  
**flatTOP**  
a 5-storey apartment block for DCC

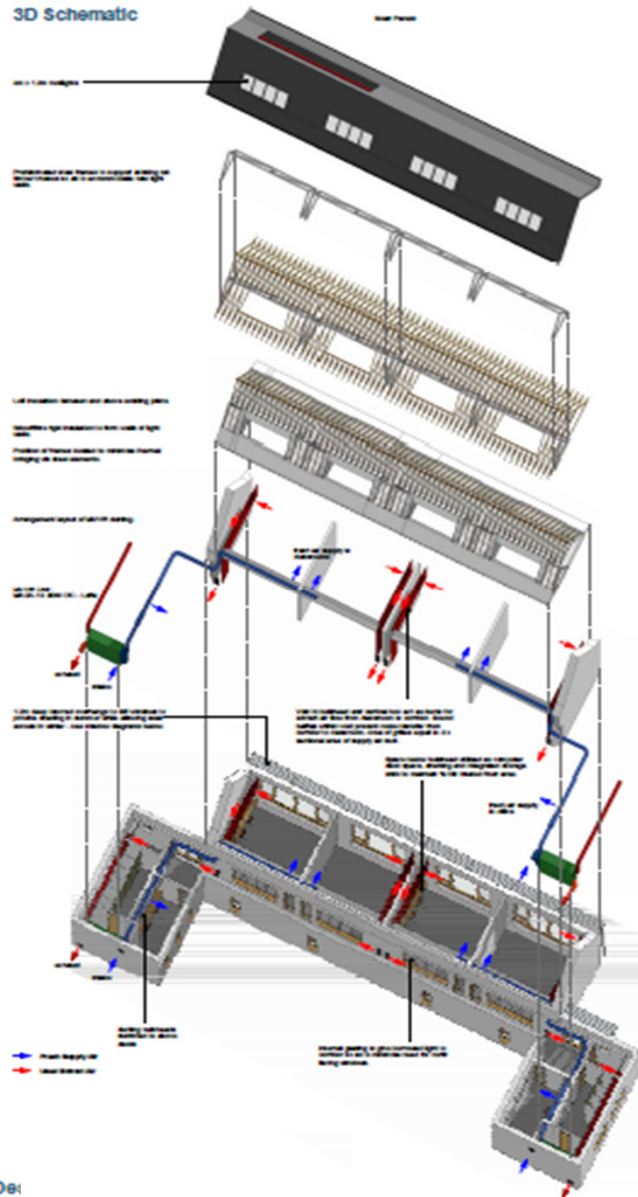
**Friday 7 June 2013**  
**16.00 – 18.00**

**Room 259**  
**Dublin School of Architecture**  
**DIT Bolton Street, Dublin 1**

*and afterwards to the opening of*  
*Dublin School of Architecture*  
**SHOW13**



**flatTOP-RETROFIT**



## nZEB14 DIT National Retrofit Conference

A Dublin School of Architecture presentation of

Springboard supported programmes

**Postgraduate Certificate (Digital Analysis & Energy Retrofit)**

**MSc (Energy Retrofit Technology)**

**CPD Diploma (Thermal Bridge Assessment)**

**CPD Diploma (BIM Technologies)**

**CPD Diploma (Collaborative BIM)**

featuring

**nZEB DEAP Residential** (BRE Scotland)

**nZEB PHPP School** (Department of Education & Skills)

**nZEB NEAP Office** (Dublin Airport Authority)

**Friday 6 June 2014**

**14.00 – 17.30**

**Michael O'Donnell Theatre**

**DIT Bolton Street, Dublin 1**

*and afterwards to the opening of  
Dublin School of Architecture*

**SHOW14**

# nZEB14

DIT National Retrofit Conference

**RIAI CPD LINKS**  
RIAI Recognised CPD Providers  
3 structured RIAI CPD points



**nZEB14**  
**DIT National Retrofit Conference**



nZEB15

DIT National Retrofit Conference



## nZEB15 DIT National Retrofit Conference

A Dublin School of Architecture presentation of

Springboard and SEAI supported programmes

**Postgraduate Certificate (Digital Analysis & Energy Retrofit)**

**Postgraduate Diploma (Digital Analysis & Energy Retrofit)**

**MSc (Energy Retrofit Technology)**

**CPD Diploma (Thermal Bridge Assessment)**

featuring

**nZEB DEAP Residential** (The DCC Crumlin Cottage)

**nZEB PHPP School** (Department of Education & Skills)

**nZEB NEAP Office** (Liberty Hall)

**Friday 29 May 2015**

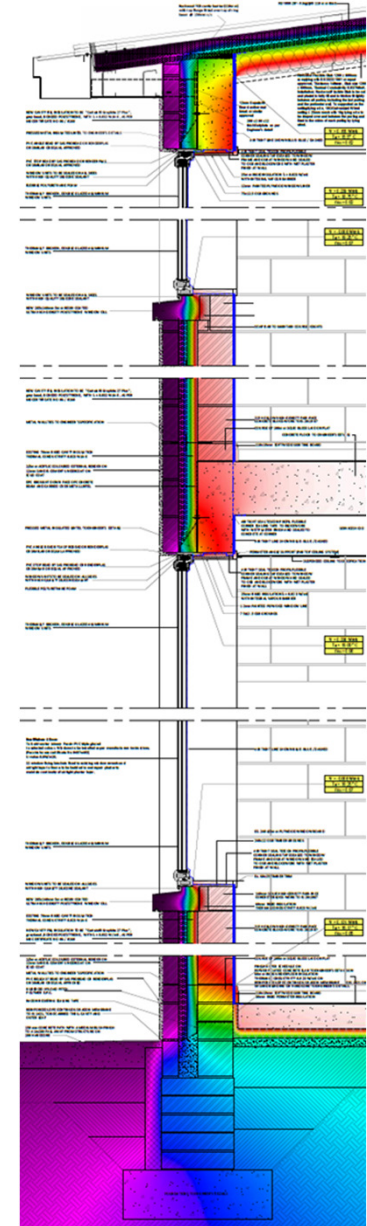
**14.00 – 17.30**

**Michael O'Donnell Theatre**

**DIT Bolton Street, Dublin 1**

*and afterwards to the opening of  
Dublin School of Architecture*

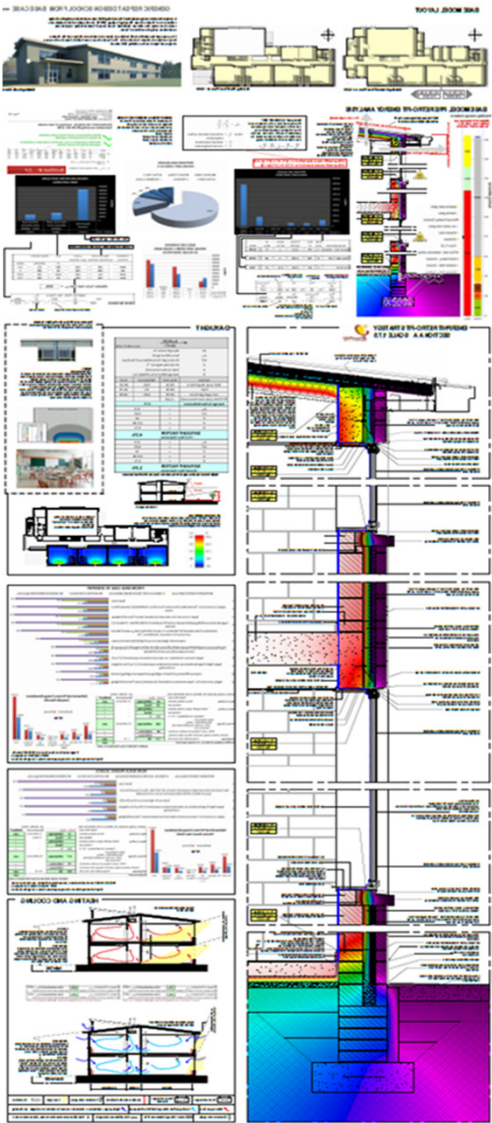
**SHOW15**



# nZEB15

DIT National Retrofit Conference





**14.00 Welcome**

*Orna Hanly, Head of Dublin School of Architecture*

**14.05 Energy Retrofit Technology upskilling opportunities in DIT School of Architecture**

*Cormac Allen, Assistant Head of School, Dublin School of Architecture*

**14.15 Session 1 Keynote: nZEB Business and Enterprise Opportunities**

*Paul Butler, Enterprise Ireland.*

**14.30 Mainstreaming the Thermal Bridge: a critique of the TGD L Approved Construction Details**

*Simon McGuinness, Dublin School of Architecture*

**14.50 The Crumlin Cottage: lessons for replicable nZEB retrofit social housing projects**

*Catherine Mara, PGCert Digital Analysis & Energy Retrofit student*

**15.00 Upskilling for site workers: External Wall Insulation, Air Tightness Testing, IT for Site Workers**

*Joseph Little, Assistant Head of School, Dublin School of Architecture*

**15.15 Putting BIM in its context: what BIM can bring to the nZEB challenge**

*Malachy Mathews, Dublin School of Architecture*

**15.30 Coffee**

**15.45 Meeting of Energy Professional Skills (MEoS): Horizon 2020 nZEB module for EU**

*Jennifer Boyer, Assistant Head of School, Dublin School of Architecture*

**15.55 PhPP nZEB for schools: lessons for replicable nZEB retrofit standard school projects**

*Eamon Gogarty, PGDip Digital Analysis & Energy Retrofit student*

**16.05 Liberty Hall nZEB: Office: lessons for replicable nZEB retrofit office projects**

*Patrick Daly, Dublin School of Architecture*

**16.20 NEAP nZEB for offices: lessons for replicable nZEB retrofit office projects**

*Alan Carr, PGDip Digital Analysis & Energy Retrofit student*

**16.30 Energy Retrofit Technology research at Dublin School of Architecture:**

*Daniel Coyle, Dublin School of Architecture, MSc Energy Retrofit Technology graduate*

**16.45 Session 2 Keynote: Energy Performance of Buildings Directive (EPBD): A Legal Perspective**

*Philip Lee, Managing Partner, Philip Lee Solicitors*

**17.00 Panel discussion:**

*Professor J Owen Lewis, Chair IGBC*

**17.45 End**

18.00 Drinks at formal opening of **SHOW15** Dublin School of Architecture, Linenhall, DIT Bolton Street

**RIAI CPD LINKS**  
RIAI Recognised CPD Providers  
3 structured RIAI CPD points



**nZEB15 proceeds in aid of the Irish Architects Benevolent Society**  
€20 voluntary contribution for delegates in employment  
€5 voluntary contribution for students



**nZEB15**  
**DIT National Retrofit Conference**