

## **AECI EXECUTIVE COUNCIL WISH ALL AECI MEMBERS & FRIENDS MERRY CHRISTMAS AND A HAPPY NEW YEAR 2012**



### **AECI CHRISTMAS HOLIDAYS**

The AECI office will be closed  
at 5pm on Thursday 22<sup>nd</sup> December 2011  
and reopen  
on Tuesday 3<sup>rd</sup> January 2012 at 9am.

Association of Electrical Contractors  
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# **AECI TRADE SHOW AND CONFERENCE**

**Friday 9<sup>th</sup> September 2011**

**Prize giving for the AECI Golf Outing at Kilkenny Golf Club  
and Social Evening at Newpark Hotel, Kilkenny**



AECI Members and Exhibitors after a fantastic day in the sunshine playing in the AECI Annual Golf Outing at Kilkenny Golf Club enjoyed a lovely setting for the evening dinner and prize giving in the Newpark Hotel followed by a rousing sing song until the early hours of the morning. Many thanks to Arachas for the sponsorship of the day and prizes.

# **AECI TRADE SHOW AND CONFERENCE**

**Saturday 10<sup>th</sup> September 2011**

**Seminar at Newpark Hotel, Kilkenny**



AECI Members and their guests show tremendous support and interest by attending the seminar presented by Mr. Justin Tallon (NSAI) on Emergency Lighting Regulation Scheme (BESS)

Visit us at [www.aeci.ie](http://www.aeci.ie)

September-December 2011



# **AECI ELECTRICAL TRADE SHOW AND CONFERENCE**

**10<sup>th</sup> September 2011, Newpark Hotel, Kilkenny**



Many thanks to our Exhibitors and attendees for making this years' Trade Show and Conference a great success in the face of the very poor economic times we are in.

The response to our "Comment's Form" from the Exhibitors seems to confirm that venues such as Dublin, Cork, Galway, Athlone are preferred for future Trade Show.

The Trade Show was opened by Cllr. David Fitzgerald, Mayor of Kilkenny, who commended the AECI and the Exhibitors for their entrepreneur spirit in organising this show.

## **AECI TRADE SHOW 2011 Sat 10<sup>th</sup> September 2011**

### **RAFFLE**

The raffle that took place for the attendees of the AECI Trade Show 2011 was won by:

1. Mattie Ryan Electrical Services Ltd.
2. Padraig Walsh Electrical and
3. Michael Mangan Electrical

Well done and we hope you enjoyed the prizes.  
Thanks to Exhibitors for spot prizes.

### **PRODUCT OF THE SHOW**

The selection of the "Product of the Show Award" was made very difficult for the judges because of the high standard of quality products, however the outright winner was AURORA LIGHTING LTD. Additional presentations were made to LEGRAND LTD. and EI ELECTRONICS for their innovative products. Congratulations to all.

## **TECHNICAL INFORMATION EVENINGS 2011-2012**

Similar to last year AECI are arranging to schedule some Technical Information Evenings with products and issues of interests to the Electrical Industry. The first of these Technical Information Evenings is likely to be held in January 2012 in Dublin and others in January/February 2012 in Galway and Cork. Topics and dates to be confirmed.

## BESS - EMERGENCY LIGHTING REGISTRATION SCHEME

At the recent meeting in the NSAI building the delegates from the AECl and many other Bodies in the Electrical Industry, i.e. ECA, NECl, ECSSA, RECl, ACEI etc. met to discuss

- a) The implications of the planned training course
- b) The content of the training course
- c) The cost and duration of the training course and
- d) Which Body should carry out the training course.

The stance taken by the AECl was that this training course in its present form was above and beyond the technical knowledge required to commission Emergency Lighting Systems and our feelings on this matter was strongly articulated.

This training course should now be suspended indefinitely and the NSAI should revert back to the I.S. 3217 Standards Committee with the many views put forward by the AECl and others. We will keep you informed as this matter comes to a conclusion.

## AECl ANNUAL SUBSCRIPTIONS 2012



Again, AECl have not increased the Annual Subscriptions, see details as follows:

<b>SOLE TRADER</b>	<b>€250.00</b>	<b>6-14 EMPLOYEES</b>	<b>€600.00</b>
<b>1-5 EMPLOYEES</b>	<b>€400.00</b>	<b>15+EMPLOYEES</b>	<b>€830.00</b>

It is important to note that the only source of funding for the AECl office is your Annual Subscriptions and contribution from the Annual Trade Show & Conference. The Executive Committee are attending meetings nationwide relating to the proposed cancellation of the REA and also the recent issue regarding the BESS Scheme being promoted by NSAI.

## ELECTRICITY FROM THE SUN

Photovoltaic (PV) cells are semiconductors that convert sunlight into electricity. Typically, a silicon PV cell is a thin wafer with an ultra-thin layer of phosphorus-doped silicon applied on top of a thicker layer of boron-doped silicon. The phosphorous-doped silicon is an N-type material while the boron-doped silicon is a P-type material. The area where these two materials are in contact is the P-N junction. When sunlight strikes the surface of a PV cell, the electrical field that the P-N junction creates near the top surface of the cell provides momentum and direction to light-stimulated electrons, which results in a flow of electrical current when the cell is connected to an electrical load. Current flows in one direction, hence it is direct current (dc).

The two types of PVs manufactured are silicon cell (monocrystalline and polycrystalline) or amorphous silicon. Under open-circuit, no-load conditions a typical silicon PV cell produces about 0.5 Vdc, regardless of its size. However, the current that a PV cell produces depends on its surface area, efficiency, and the intensity of sunlight striking the cell's surface. In other words, the P-N junction produces its typical half-volt difference in potential, but the presence of sunlight produces the "push" that causes current to flow.

# APPLICATION TO CANCEL THE ELECTRICAL REA



1<sup>st</sup> December 2011

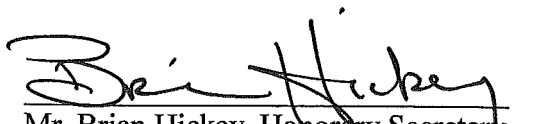
Mr. Kevin Duffy  
Chairman  
The Labour Court  
Tom Johnson House  
Haddington Road  
Dublin 4


Re: Application to Cancel the Registered Employment Agreement for the Electrical Contracting Sector

Dear Mr. Duffy,

The Association of Electrical Contractors of Ireland (AECI) and the Electrical Contractors Association (ECA) wish to put the Labour Court on six months notice, in accordance with Section 29 (3) of the Industrial Relations Act 1946, of its intention to apply to the Court for cancellation of the Registered Employment Agreement for the Electrical Contracting Sector.

Yours Sincerely

  
Mr. Brian Hickey, Honorary Secretary  
On behalf of AECI

  
Ms. Jean Winters  
On behalf of ECA

## INDUSTRIAL RELATIONS ACT 1946

### Section 29 (3)

Where a registered employment agreement does not provide for its duration or termination, the Court may, after the lapse of twelve months from the date of registration, cancel the registration on the application, made after six months' notice to the Court, of all parties thereto representative of workers or of employers.



## ANNUAL LEAVE / PUBLIC HOLIDAYS 2011 / 2012

FRIDAY	28 <sup>th</sup> October 2011	ANNUAL
MONDAY	31 <sup>st</sup> October 2011	PUBLIC
FRIDAY	23 <sup>rd</sup> December 2011	ANNUAL
MONDAY	26 <sup>th</sup> December 2011	PUBLIC
TUESDAY	27 <sup>th</sup> December 2011	PUBLIC
WEDNESDAY	28 <sup>th</sup> December 2011	ANNUAL
THURSDAY	29 <sup>th</sup> December 2011	ANNUAL
FRIDAY	30 <sup>th</sup> December 2011	ANNUAL
MONDAY	2 <sup>nd</sup> January 2012	PUBLIC
FRIDAY	16 <sup>th</sup> March 2012	ANNUAL
MONDAY	19 <sup>th</sup> March 2012	PUBLIC
FRIDAY	6 <sup>th</sup> April 2012	ANNUAL
MONDAY	9 <sup>th</sup> April 2012	PUBLIC
TUESDAY	10 <sup>th</sup> April 2012	ANNUAL
WEDNESDAY	11 <sup>th</sup> April 2012	ANNUAL
THURSDAY	12 <sup>th</sup> April 2012	ANNUAL
FRIDAY	13 <sup>th</sup> April 2012	ANNUAL
MONDAY	7 <sup>th</sup> May 2012	PUBLIC
MONDAY	4 <sup>th</sup> June 2012	PUBLIC
*MONDAY	<b>23<sup>rd</sup> July to FRI 3<sup>rd</sup> Aug 2012</b>	<b>ANNUAL*</b>
MONDAY	6 <sup>th</sup> August 2012	PUBLIC

**\* Any changes to these days by arrangement.**



# TOP 10 BREACHES ET101

## Top 10 breaches of the ET101 National Rules for Electrical Installations

Listed below are the 10 most common breaches found as a result of audit & inspections carried out by our inspectors under the Common Performance Evaluation Scheme (CPES) since the start of the year. Please ensure you are aware of and comply with these rules as the inspectors will be keeping a watchful eye for these breaches.

<b><u>Rule No</u></b>	<b><u>Description</u></b>
701.416.1	Dedicated RCD required for bathroom circuits
530.5.3	Distribution board at incorrect height
531.2.2.2	RCD test notice required at distribution board
533.3.5	Main protective device required at meter cabinet
544.2.8	Metal sink(s) not bonded
530.5.12	Distribution board not labelled
555.1.2	Local isolation required for motorised valves, oil burner, heating system, circulation pump, etc.
554.3.5	Isolation required for all inaccessible sockets
555.3.2	No RCD on heating system
514.3.1	Incorrect colour code for cable wires

## USE THE RIGHT TOOLS FOR THE JOB



Using the proper tools for the job can help keep electrical workers safe. For example, insulated tools can help prevent an arc flash incident. In fact, test tools are some of the most important personal protective equipment (PPE) items electrical workers can use.

Forensic investigations have determined that sometimes inferior test equipment - without an IEC category rating or with a rating that does not match the task - can actually explode if used improperly.

## AVOID THE SHOCK OF YOUR LIFE

The best way to avoid shock and electrocution hazards is to not become part of the electrical circuit. That means staying as far away as you can from electrical equipment and systems with exposed live components.

Accidents that involve electricity can be caused by unsafe equipment, installation, environment, or work practices. Forensic incident investigations suggest that injuries and/or fatalities can be caused by faulty insulation, loose connections, defective parts, improper grounding, unguarded live parts, failure to de-energize equipment during repair or inspection, and using improper or unsafe tools.

Whether arc flash or shock/electrocution hazards, electrical incidents can be prevented by using safe work practices such as de-energizing electrical equipment prior to repair or inspection, observing caution when working near energized components, keeping tools and equipment properly maintained, and using insulated tools and proper PPE.



Personal protective equipment can help keep you safe.



# IEBA ANNUAL CHRISTMAS BALL

**Date:** Friday 11<sup>th</sup> November 2011

**Venue:** Crowne Plaza, Northwood, Santry

**Time:** 7:30pm

**Dress:** Black Tie

Over-night accommodation in the Crowne Plaza at €99.00 per room and its sister company Holiday Express at €70.00 per room.  
Brilliant music, a fantastic party and fabulous prizes worth €10,000.00.

## ROBUS<sup>®</sup>



SOUND  
PRODUCTIONS



Kilkenny  
Vehicle  
Centre



## TEC

## Electric

**SWITCH**  
DISTRIBUTION



**fusion** TECHNOLOGIES  
Enabling Communication, Collaboration and Control







ARACHAS

The Irish for Insurance



Willie Duggan



AURORA®



Megger®

hager



brother  
at your side





# Energy-Saving Heating Range

## DuoHeat® Radiator



- Savings of up to 30% compared to with traditional off-peak electric heating systems.
- Heat output provided by a combination of off-peak and standard rate electricity sources.
- Simple to use with one touch operation and automatic temperature control.

## Electronic Panel Convactor – EPX Range



- Energy-saving electronic thermostatic control, providing room temperature stability to  $\pm 0.3^{\circ}\text{C}$ .
- Modern, stylish design to complement DuoHeat® radiators.
- Convected heat for rapid warm-up and heat circulation.

## Monterey Panel Heaters – MFP Range



- Energy-saving electronic thermostatic control, providing room temperature stability to  $\pm 0.3^{\circ}\text{C}$ .
- Stylish, contemporary design.
- Convected heat for rapid warm-up and heat circulation.

## Girona Glass Electronic Panel Heater – GFP Range



- Energy-saving electronic thermostatic control, providing room temperature stability to  $\pm 0.3^{\circ}\text{C}$ .
- Elegant glass-fronted finish in black or white.
- Convected heat for rapid warm-up and heat circulation.

Tel: 01 8424833

**Dimpco**  
A Glen Dimplex Company

[www.dimpco.ie](http://www.dimpco.ie)