



Cystadleuaeth Sgiliau Cymru
Skills Competition Wales

Competition Brief

Competition Title

Electrical Installation

Competition Overview

An Electrician installs, repairs and maintains modern electrical systems and equipment; keeping them running efficiently and effectively. These systems can be located in all environments; domestic, commercial or industrial.

In this competition, competitors will have to carry out an electrical installation task designed to challenge their ability to follow drawings, work accurately and to work safely at all times, working to a set timescale.

Live competition heats will be held at various venues across Wales.

Entry Criteria

The competition is for those studying towards but not yet achieved Level 3 for a career in the construction industry and studying towards an Electrical Installation qualification or apprenticeship.

Please ensure that your entrants have the skills and competences to complete the task.

Entry capacity restrictions by organisation

Maximum of up to 2 per location plus maximum of 2 reserves can be registered in case of absence.

This is the maximum number of entries permitted by an organisation for this competition.

This is determined by 'location' and 'organisation'. 'Organisation' refers to the competitors' training provider/employer. 'Location' refers to a site where the competitor studies / is employed. For further guidance on these capacities, [click here](#)



<https://inspiringskills.gov.wales/competitions/frequently-asked-questions>

Task Duration

5 Hours

Brief

Competitors will be given a drawing and a specification requiring them to carry out an electrical installation task and to carry out testing on the completed work.

Competitors will be assessed on the following criteria:

- Working Safely
- Positioning of equipment
- Wiring and termination
- Installation Quality
- Inspection and testing
- Function (bell test)

Note: There will be no requirement to power up completed work

Infrastructure List

Competitors will be expected to bring their own tools. Note: only electricians' knives to be used. Benches will be available at the venue.

Competition Rules

For full terms and conditions of entry and competition rules visit:

<https://inspiringskills.gov.wales/terms/registrations-terms-and-conditions>

Generic competition rules

- Mobile phones are to be switched off during competition activity.
- Listening to music via headphones is not permitted during competition activity.
- Any questions during competition activity should be addressed to the competition judging panel.
- Competitors should not communicate with other competitors during competition activity.
- It is the responsibility of each competitor to arrive on time for each competition session. No additional time will be allowed if you arrive late.
- Technical failure of your equipment should be reported immediately to the judging panel. Additional time will be allocated if the fault is beyond the control of the competitor.

Marking and Assessment

Marking and judging of this competition will be carried out by a team of experts from Industry, Further Education or Training Provider, using a marking criteria and allocated marks to ensure consistency.

Brief breakdown of marking and assessment

All marks are objective and will be awarded by the judges as follows:

Criteria	Marks
Health & Safety	5%
Installation Quality	15%
Positioning of Equipment	24%
Wiring & Terminations	32%
Inspect & Test	16%
Function	8%
Total	100%

Feedback and Recognition

Individual and Group verbal feedback will be provided at the end of the competition.

No results or awards will be awarded on the day as marking will be quality assured.

All competitors will be issued with a Participation Certificate and invited to an online Celebration Event which will be held Thursday 14th March 2024, where the First, Second and Third Awards will be announced. Further details will be communicated to competitors and their points of contacts by email.

Marksheets will be made available to competitors after the quality assurance process has been completed.

Competition Lead

Lead Contact: Paul Evans

Email address - paul2.evans@colegsirgar.ac.uk



Cystadleuaeth Sgiliau Cymru
Skills Competition Wales

Briff y Gystadleuaeth

Enw'r Gystadleuaeth

Gosod Systemau Trydanol

Trosolwg o'r Gystadleuaeth

Mae Trydanwr yn gosod, trwsio a chynnal a chadw systemau ac offer trydanol modern; ac yn sicrhau eu bod yn gweithio'n effeithiol ac effeithlon. Gellir dod o hyd i'r systemau hyn ym mhob amgylchedd; mewn cartrefi, yn fasnachol neu'n ddiwydiannol.

Yn y gystadleuaeth hon, bydd rhaid i gystaddeuwr gyflawni tasg gosod systemau trydanol a fydd yn herio eu gallu i ddilyn lluniau, gweithio'n gywir a gweithio'n ddiogel bob amser, o fewn amserlen benodedig.

Cynhelir rowndiau rhagbrofol byw mewn sawl lleoliad ledled Cymru.

Meini Prawf

Mae'r gystadleuaeth ar gyfer y rhai sy'n astudio tuag at ond heb gyrraedd Lefel 3 ar gyfer gyrfa yn y diwydiant adeiladu ac yn astudio tuag at gymhwyster Gosod Trydanol neu brentisiaeth. Sicrhewch fod gan eich ymgeiswyr y sgiliau a'r cymwyseddau i gwblhau'r dasg.

Cyfyngiadau ymgeisio gan sefydliad

Cyfanswm o hyd at 2 i bob lleoliad a gellir cofrestru uchafswm o 2 wrth gefn rhag ofn absenoldeb.

Dyma'r uchafswm o gystaddeuwr a ganiateir gan sefydliad ar gyfer y gystadleuaeth hon.

Caiff hyn ei benderfynu ar sail 'lleoliad' a 'sefydliad'. Mae 'sefydliad' yn cyfeirio at ddarparwr hyfforddiant/cyflogwr y cystaddeuwr. Mae 'lleoliad' yn cyfeirio at y safle lle mae'r cystaddeuydd yn astudio/cael ei gyflogi. Am ragor o arweiniad ar y canllawiau hyn, cliciwch yma



Hyd y Dasg

5 Awr

Briff

Caiff y cystadleuwyr luniad (*drawing*) a manyleb yn gofyn iddyn nhw gyflawni tasg gosod system drydanol a chynnal prawf ar y gwaith sydd wedi ei gwblhau.

Caiff y cystadleuwyr eu hasesu yn ôl y meini prawf canlynol:

- Gweithio'n ddiogel
- Lleoli'r offer
- Weirio a therfyniad
- Ansawdd y Gosod
- Archwilio a phrofi
- Gweithredu (*function*) (prawf cloch)
- Nodwch: Ni fydd unrhyw ofyniad i bweru'r gwaith sydd wedi'i gwblhau

Rhestr Seilwaith

Bydd disgwyl i gystadleuwyr ddod a'u hoffer eu hunain. Bydd meinciau ar gael yn y lleoliad.

Nodyn: dim ond cyllyll trydanwyr i gael eu defnyddio

Rheolau'r Gystadleuaeth

I weld y telerau ac amodau cystadlu a rheolau'r gystadleuaeth ewch i:

<https://inspiringskills.gov.wales/terms/registrations-terms-and-conditions?lang=cy>

Rheolau cyffredinol

- Rhaid diffodd ffonau symudol yn ystod y gystadleuaeth ei hun.
- Ni chaniateir gwranddo ar gerddoriaeth drwy glustffonau yn ystod y gystadleuaeth ei hun.
- Dylid cyfeirio unrhyw gwestiynau yn ystod gweithgaredd y gystadleuaeth i banel beirniadu'r gystadleuaeth.
- Ni ddylai cystadleuwyr gyfathrebu gyda chystadleuwyr eraill yn ystod y gystadleuaeth ei hun.
- Cyfrifoldeb pob cystadleuydd yw cyrraedd ar amser ar gyfer pob sesiwn gystadlu. Ni chaniateir rhagor o amser os byddwch yn cyrraedd yn hwyr.
- Dylid adrodd am unrhyw fethiant technegol yn eich offer ar unwaith i'r panel beirniadu. Caiff y cystadleuydd amser ychwanegol os yw'r nam y tu hwnt i reolaeth.

Marcio ac Aseu

Bydd tîm o arbenigwyr yn y byd Diwydiant, Addysg Bellach neu Ddarparwr Hyfforddiant yn marcio a beirniadu'r gystadleuaeth hon a byddant yn defnyddio meini prawf marcio a marciau sydd wedi eu pennu er mwyn sicrhau cysondeb.

Mae pob marc yn wrthrychol a byddant yn cael eu dyfarnu gan y beirniaid fel a ganlyn:

Meini prawf	Marciau
Iechyd a Diogelwch	5%
Ansawdd y Gosod	15%
Lleoli'r Offer	24%
Weirio a Therfynu	32%
Archwilio a Phrofi	16%
Gweithredu	8%
Cyfanswm	100%

Adborth a Chydnabyddiaeth

Bydd adborth ar lafar yn cael ei roi i Unigolion a Grwpiau ar ddiwedd y gystadleuaeth.

Ni chaiff unrhyw ganlyniadau na dyfarniadau eu cyflwyno ar y diwrnod gan y byddwn yn marcio drwy sicrhau ansawdd.

Bydd pob cystadleuydd yn cael Tystysgrif Cyfranogi ac yn cael ei wahodd i Ddigwyddiad Dathlu ar-lein a gynhelir Dydd Iau 14eg Mawrth 2024, lle bydd y Wobrau Cyntaf, Ail a Thrydedd yn cael eu cyhoeddi. Bydd manylion pellach yn cael eu cyfleu i gystadleuwyr a'u pwyntiau cyswllt trwy e-bost.

Bydd taflenni marciau ar gael i gystadleuwyr ar ôl i'r broses sicrhau ansawdd gael ei chwblhau.

Arweinydd y Gystadleuaeth

Paul Evans

Email address -paul2.evans@colegsirgar.ac.uk