

Energising Blyth Growing your Town

Supporting: Energy Central Campus Phase 1 (Energy Central Learning Hub)

Introduction

This brand new 2,396 sqm building located next to the existing Port Training Services building will create an industrial training, education and skills facility

It will provide vocational training for young people and short modular courses to enable the existing workforce to update / adapt their current skills.

Significantly these skills are based on Industry need and are therefore aligned to the skills needs of clean energy employers.

It will provide the first phase in the 'end to end' pathway to skilled to employment complimenting the planned Energy Central Campus Phase 2 (Institute) located in Blyth Town Centre, where the focus will be on industry led further education, research and continued professional development.

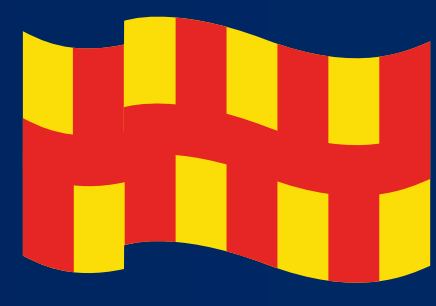
The new building will become a new iconic landmark and will complement the existing cluster of Port Services Training Building, Newcastle University, Newcastle College and the Caboose restaurant.

Benefits

- ✓ Opportunity to increase public knowledge and participation in renewable energy sector in the local area.
- ✓ Enhance Blyth's tourism offer, meaning consequent benefits for the local economy.
- ✓ Improve local training and skills availability for employers.
- ✓ STEM teaching facilities to provide integration with local schools and colleges.
- ✓ A conference centre to provide new facilities for businesses.

- S1 Courtyard Area**
Pedestrianised courtyard area linking entrances of ECLH, Marine station and Caboose Restaurant.
- S2 Port Access**
Realigned road and relocated vehicle and pedestrian gates to maintain available emergency access / egress to Port north boundary.
- S3 Workshop Access**
Vehicle access and external work areas opening into workshops via overhead sectional door.
- S4 Maritime Guide Marker**
Guide light and structure to be relocated within new Port secure line by PoB.
- S5 Carpark 01**
44 spaces, including 2 accessible bays. Entrance & exit vehicle barrier controlled.
- S6 Carpark 02**
46 spaces Entrance & exit vehicle barrier controlled.
- S7 Tall Ships / Substation**
Retained access to Tall Ships vehicle gate location, along with new substation.

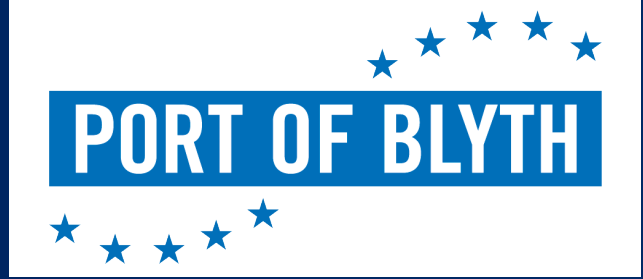




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BLYTH TOWN FORUM

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What the facility will include



Ground Floor

The ground floor will consist of a reception space and dedicated workshops with specialist electrical and mechanical training facilities alongside a digital skills training suite.

- 0.1 Entrance Hall**
Double height entrance hall, housing the vertical circulation and linking access between new and existing buildings.
- 0.2 Workshop**
Three engineering workshop spaces will be used by groups of up to 16 students for a variety of practical engineering uses by partner organisations.
- 0.3 Electronics Workshop / Lab**
Lab type space for finer, bench based practical work such as electronics. This area will have fixed benching with power / data, and a teaching wall.
- 0.4 Briefing / Toolbox Talk Areas**
These small spaces will have a teaching wall to provide short briefings / demonstrations to students in the workshops.
- 0.5 Existing Building Amended Areas**
Amendments / refurbishments to the existing building to integrate with the new build.



First Floor

The first floor will consist of six general purpose teaching spaces and two breakout spaces which can have multi-functional use. The teaching space will be used for presentation and desk-based learning related to the activities carried out within the ground floor workshops.

- 1.1 Training Classrooms (Standard)**
Training Classroom which allows for 16 students with fixed computer stations and a teaching wall.
- 1.2 Training Classroom (Small)**
Two smaller classrooms be provided over one of the workshop spaces which allows for 16 students for standard desk-based teaching.
- 1.3 Training Break Out Area**
A breakout area to allow for social, break and informal teaching opportunities.
- 1.4 Existing Building Amended Areas**
Amendments / refurbishments to the existing building to integrate with the new build.



Second Floor

The second floor comprises three large classrooms and a large breakout space. The classrooms will be predominantly used by STEM@Energy Central – a STEM focussed educational hub that will raise awareness of, and engagement in, STEM-based careers and deliver STEM activities and education programmes. Each classroom has a folding partition which, when opened, allows for a large space to be created for conference and events and a lecture theatre to encourage collaboration between employers, education institutions and research facilities.

- 2.1 STEM Classrooms**
Three large teaching spaces. Each space can accommodate 58 students + two staff in various arrangements with loose FF&E, and a fixed teaching wall location in each. Folding partitions will allow all three classrooms and break out space to open into one area.
- 2.2 STEM Breakout**
A Breakout space for the learning Centre is provided for 60 people.
- 2.3 Conference Area**
Two classes will open into one larger space for 240 people. It is anticipated that the third classroom and break out area will provide further display and refreshment area for conferences, however the further folding partition included will create further combinations for use.
- 2.4 External Terrace**
The external terrace, facing northeast, will take in views of the on-shore and off-shore clean energy in the local area.

Third Floor

The third floor of the building will house the clean energy exhibition visitor space to showcase clean energy industries and jobs to residents of the North East.

- 3.1 Visitor Centre**
60-person occupancy, the location of the space will also allow it to take advantage of long-distance views over the port operations as well as views towards the town.
- 3.1 Visitor Centre External Terrace**
Provision to allow large exhibition items to be craned on to the external terrace and brought into the Visitor Centre.
- 3.1 Photo Voltaic Area**
As part of the wider ethos of the scheme, to develop and promote the Clean Energy industry, south facing roof areas have been maximised for PV.



What Happens Next?



Project part funded by



HM Government