

TEES VALLEY

Net Zero Industrial Scholarship

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Tees Valley Net Zero Industry Scholarships



**NORTHERN
SKILLS**

M C
Middlesbrough
College Group

TTE

The Scholarship Programme

**TEES
VALLEY**

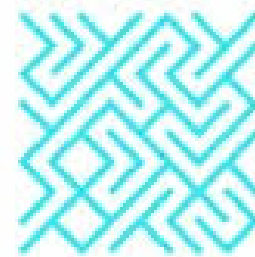
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What is Net Zero Teesside?

Teesside is home to Net Zero Teesside Power, and a diverse range of East Coast Cluster carbon capture projects which aim to decarbonise their operations through the deployment of carbon capture, use, and storage (CCUS) technology.



**Net Zero
Teesside**

What is Net Zero Teesside Power?

Net Zero Teesside Power (NZT Power) is a first-of-a-kind fully integrated gas-fired power and carbon capture project and a key driving force behind plans to make Teesside the UK's first decarbonized industrial cluster.

Once operational, Net Zero Teesside Power's combined cycle gas turbine electricity generating station could produce up to 742 megawatts of flexible, dispatchable low-carbon power – equivalent to the average annual electricity requirements of more than 1 million UK homes



What is Northern Endurance Partnership?

Northern Endurance Partnership (NEP) is the CO₂ transportation and storage provider for the East Coast Cluster. It will provide the infrastructure that will serve three initial carbon capture projects on Teesside: NZT Power, H₂Teesside and Teesside Hydrogen CO₂ Capture.

The infrastructure will include a CO₂ gathering network and onshore compression facilities, a 145km offshore pipeline and subsea injection and monitoring facilities for the Endurance saline aquifer located around 1000m below the seabed. The infrastructure will transport and permanently store up to an initial 4 million tonnes of CO₂ per year.



Video



Now to build it!

The project has been approved and is now progressing. We should see 'spades in the ground' the middle of this year. To build it, they will need a workforce of local skilled people.

The Tees Valley Colleges, Tees Valley Combined Authority and Net Zero Teesside have decided to offer a Scholarship programme to support this!



What is the Scholarship?

- 2-year programme based at College's across the Tees Valley (141 places in total)
- Routes in Civil Operations, Welding, Plating, Pipe Fitting, Mechanical Fitting, Electrical Engineering and Instrumentation and Control
- Achieve full Level 3 qualification over 2 years. (equivalent 3 A-levels)
- Additionality above and beyond main programme options
- Masterclasses delivered by Net Zero and partners
- Net Zero branded PPE
- Bursary payments of £100 per learner weekly during term time, subject to attendance and behaviour requirements
- Work experience on the Net Zero Teesside site

Scholarship Routes available at TTE

Electrical Engineering - 12 places

Instrumentation and Control - 24 places

What can the Scholarship lead to?

The proposed routes were worked back from forecast apprenticeship opportunities, that are anticipated to arise through the project, in the supply chain.

There are no guarantees at the end of the scholarship, but it 'puts you in the shop window' for the opportunities that will be available

Electrical Engineering - Level 3

Course:

BTEC Level 3 Diploma in Advanced Manufacturing Engineering

(Development Technical Knowledge -
Pathway 1: Electrical/Electronic
Engineering)

Additionalities could include

- CCNSG Safety Passport
- Manual Handling
- MJJ
- Hydrogen
- Teamwork
- Communications

Year 1

Health and Safety in the Engineering Workplace

Mathematics for Engineering Technician

Communications for Engineering Technicians

Electrical Technology

Electrical Installation

Electrical and Electronic Principles in Engineering

Year 2

Further Elec Principles

Selecting and Using Programmable Controllers (PLC)

Engineering Project

Further Engineering Mathematics

Electronic Fault Finding

Instrumentation & Control - Level 3

Course:

BTEC Level 3 Diploma in Advanced Manufacturing Engineering

(Development Technical Knowledge - Pathway 2: Instrumentation & Control)

• Additionalities could include

- CCNSG Safety Passport
- Manual Handling
- MJI
- Hydrogen
- Teamwork
- Communications

Year 1

Health and Safety in the Engineering Workplace

Mathematics for Engineering Technician
Communications for Engineering Technicians

Electrical Technology

Electrical Installation

Electrical and Electronic Principles in Engineering

Year 2

Further Elec Principles

Selecting and Using Programmable Controllers (PLC)

Engineering Project

Further Engineering Mathematics

Principles and Applications of Engineering Measurement Systems

Why am I here?

You have been invited to this Scholarship Event for one of the following reasons:

- You hold a conditional offer for an Electrical/Instrumentation Engineering course at Middlesbrough College Group
- You registered your interest in the Net Zero Industry Scholarship, and have since applied for an Electrical/Instrumentation Engineering course at Middlesbrough College Group

If you have any queries about your application, please contact our friendly Admissions Team on admissions@mbro.ac.uk or call 01642 333601.

Entry Requirements

We will require a minimum of 5 GCSEs at Grade 4 or above, including English language, maths and a science.

You will also be asked to complete a 40 minute online aptitude test at the College. Candidates who achieve the minimum pass mark in the aptitude test will be advanced to the interview stage.

Enrolment – From Thursday 21st August 2025

Details will be sent to you in the summer, which will tell you how and when to enrol and what documents you will need. We enrol from GCSE results day (Thursday 21st August 2025), please ensure you are available to collect your results from your school, to enrol online and onsite to ensure a place on your course.

Please note if you take holiday during this period and are not able to enrol onsite, we may not be able to guarantee a place on your first-choice course as many of our courses fill up within the first few days of enrolment.

Recruitment Process

Expression of Interest and Application

Applications at Middlesbrough College Group are closed for scholarships, but other providers will accept applications until 25th April.

Aptitude testing - W/C 23rd June

These online tests assess problem-solving skills, logical reasoning, critical thinking, literacy and numerical proficiency. Must hit minimum threshold to progress to interview.

Interviews with College and Employers - W/C 7th July

Focus on motivation for the scholarships, personal qualities, communication skills, adaptability & attitude to learning and career aspirations.

Confirmation of Scholarship offer

Places on the scholarship are conditional, and dependent upon passing the aptitude test and confirmation of GCSE grades at enrolment.

Enrolment – From Thursday 21st August (GCSE Results Day)

Your appointment for enrolment will be sent out end of July via email and letter. It is important you attend your scheduled appointment slot.

Aptitude Testing

Aptitude testing will take around 40 minutes to complete and needs to be completed onsite at the College.

We will be running testing sessions on the following dates:

- Tuesday 24th June
- Thursday 26th June

Sessions are likely to run hourly between 9:30am – 2:30pm on the dates above.

Information about the sessions will be sent out to you in due course via email and letter, for you to book onto your preferred testing session.

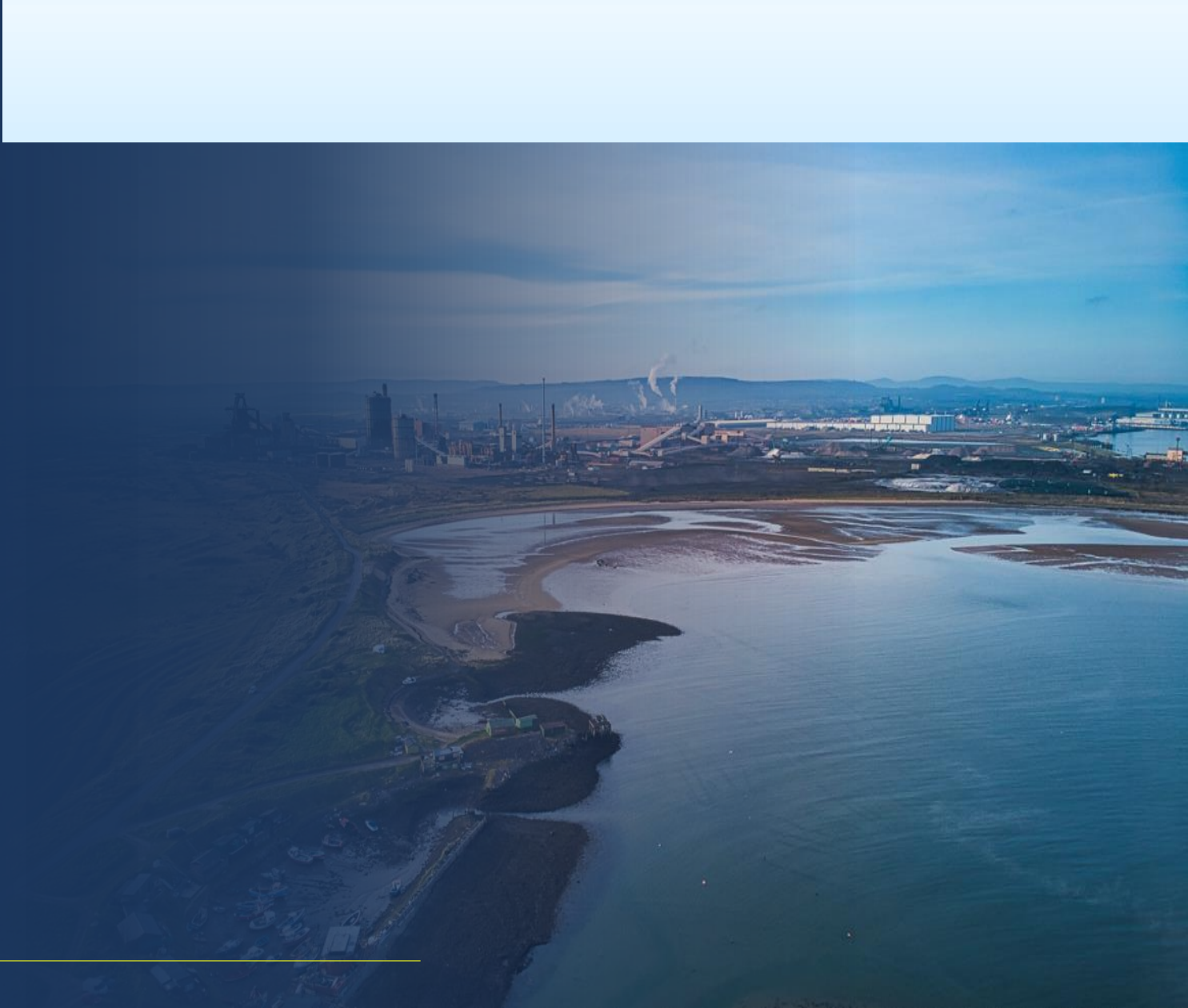
Aptitude testing is a **required** step in the Scholarship admissions process. To progress your application, you will need to complete the testing and meet the minimum threshold.

Balfour Beatty

NZT

2025

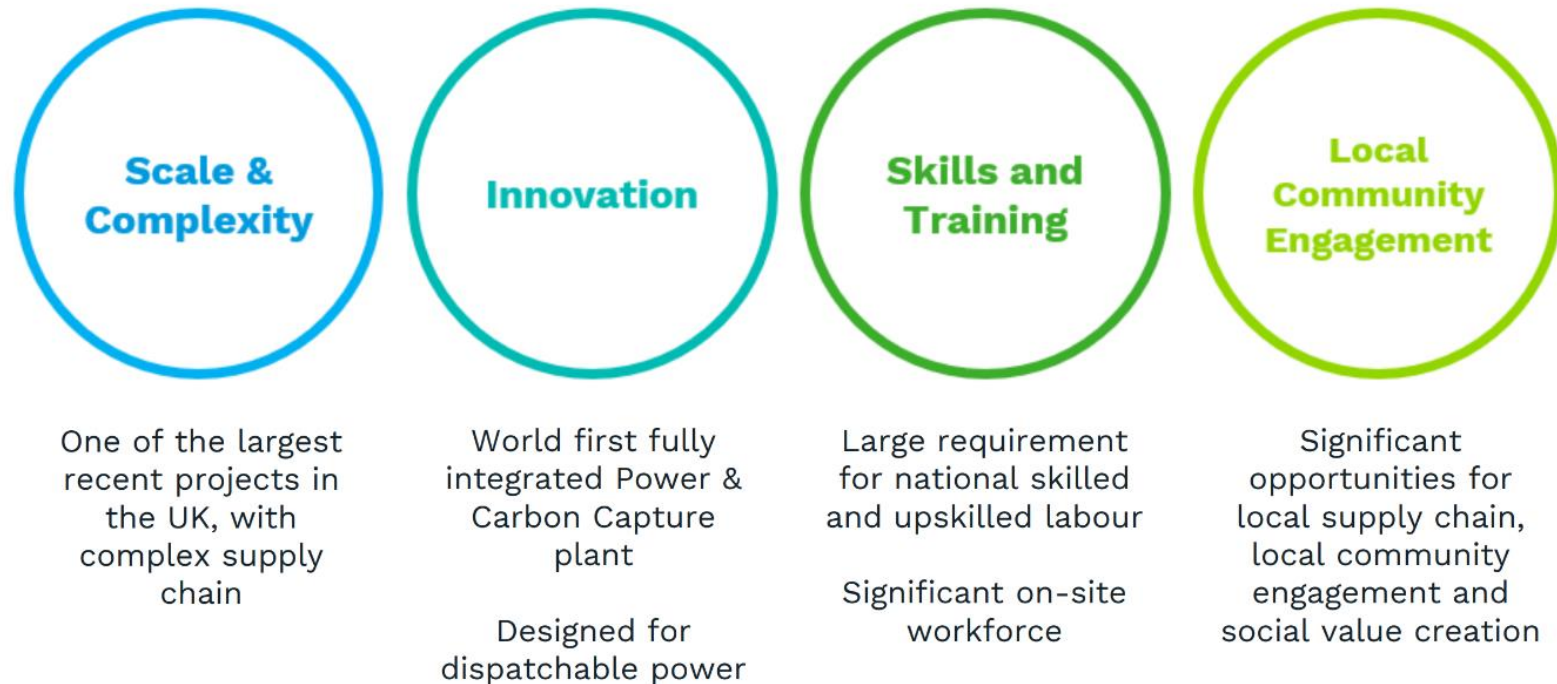
Image: NZT site



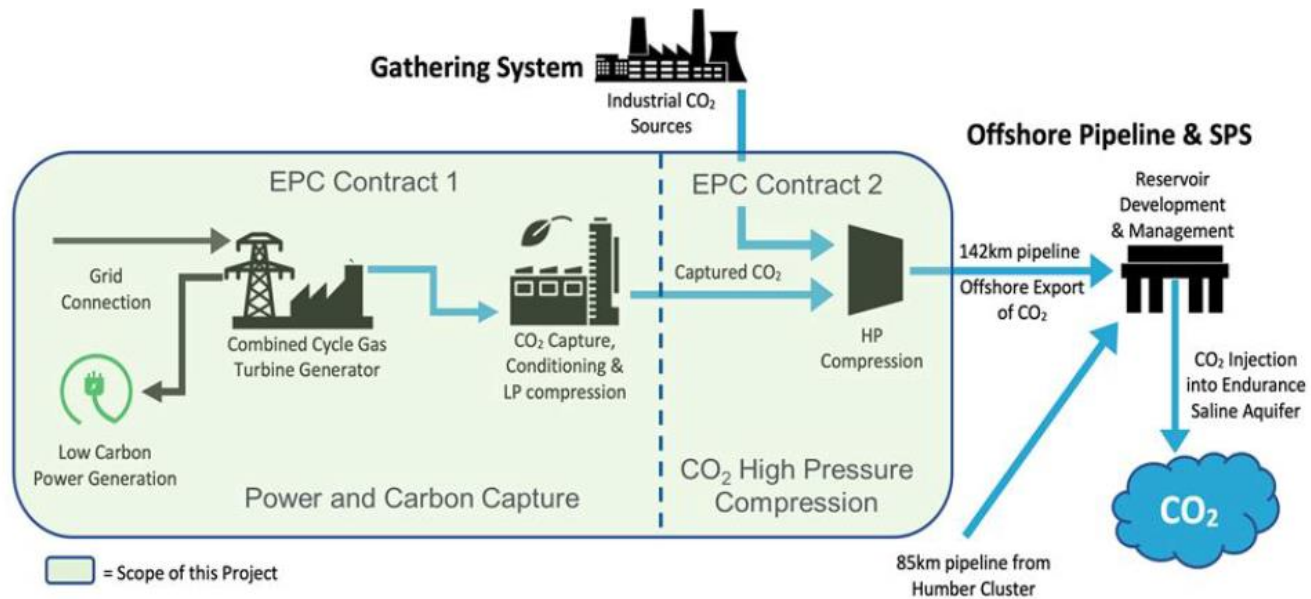
Carbon Capture – UK Context

- Carbon Capture, Usage & Storage (CCUS) is a necessity in delivering the UK's target of achieving net zero emissions by 2050 and to supporting a greener economy.
- The UK will establish CCUS in two industrial clusters by mid-2020s and aim for 4 of these sites by 2030, with ambition to capture and store 20-30 megatonnes of carbon dioxide a year by 2030.
- UK will be among the first to deploy this game-changing technology at scale capturing CO₂ emissions before they reach the atmosphere and storing them away safely

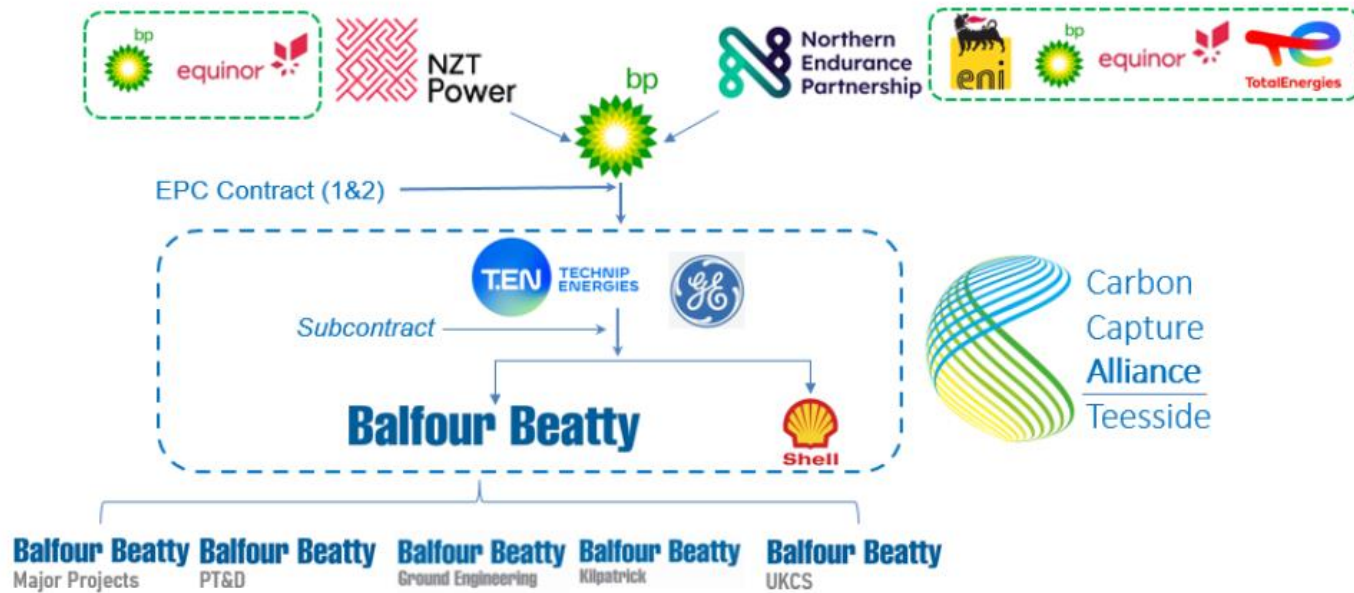
Overview – what makes this project distinctive



Overview - scope



Overview - stakeholders



TEES VALLEY NET ZERO INDUSTRY SCHOLARSHIP



Scholarships

- Training will be delivered through local education providers including Darlington College, Hartlepool FE College, Middlesbrough College, Redcar & Cleveland College and NETA Training, backed by the Teesworks Skills Academy.
- The scholarship is being powered by Net Zero Teesside Power and the Northern Endurance Partnership, which are working together on the Teesworks site to create the world's first decarbonised industrial cluster thanks to a world-first power plant with carbon capture and storage capabilities.
- The scholarship is open to individuals aged 16 and above, with 141 places available for up to two years' training in trades such as:
 - Welding
 - Instrumentation
 - Pipefitting
 - Electrical Engineering
 - Civil Operations

Who is Balfour Beatty?

We're a leading international infrastructure group. We finance, develop, build and maintain the vital infrastructure that we all depend on.

- We have over 24,000 employees
- Our revenue is £7.8 billion a year
- We have over 110 years experience
- We operate across the UK, USA and Hong Kong

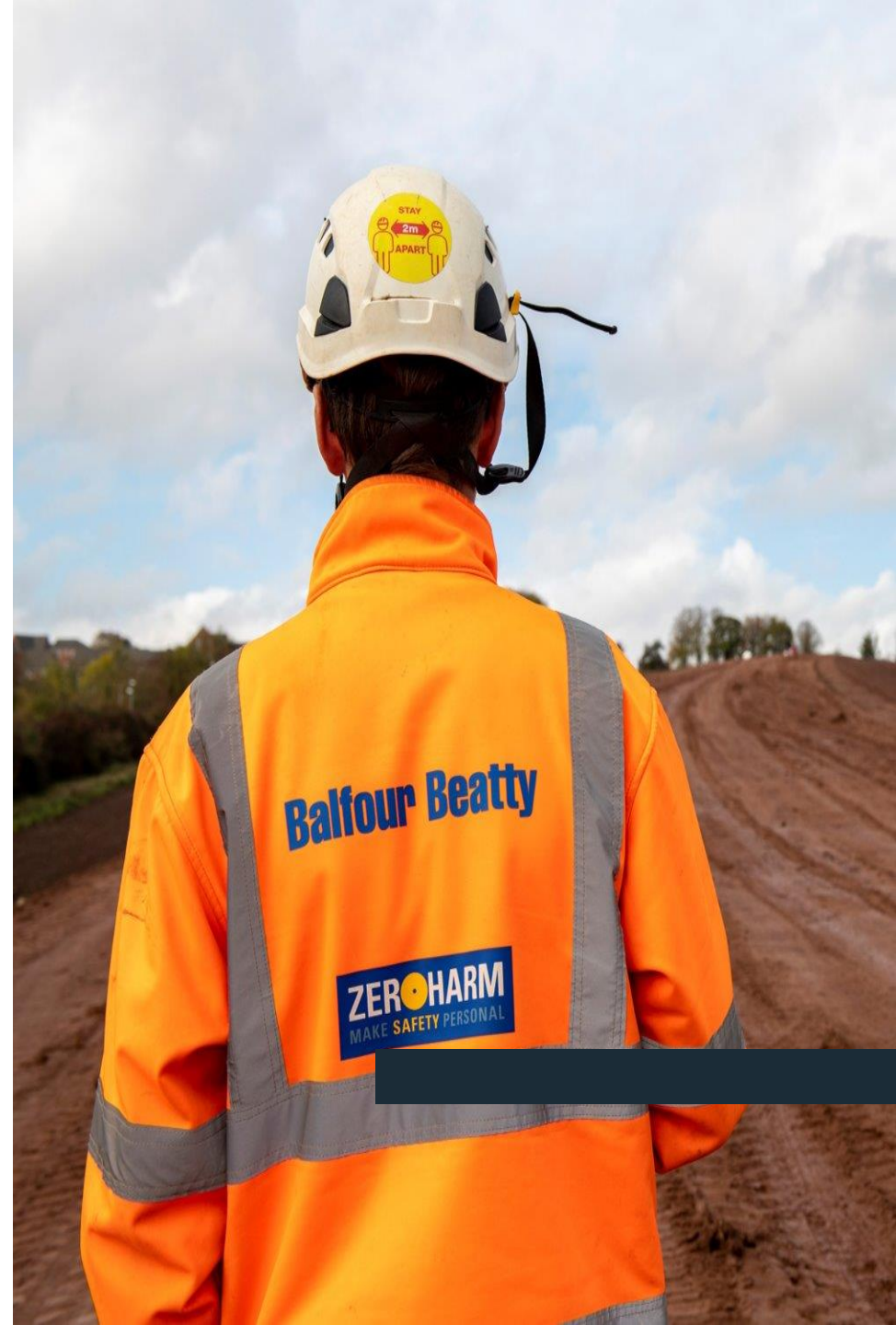


Our Behaviours

Our behaviours reflect the specific things we will do to consistently deliver to the standard set out in our Values

- **Talk Positively**
- **Collaborate Relentlessly**
- **Encourage Constantly**
- **Make a Difference**
- **Value Everyone**

Think about how you can demonstrate these qualities in your CV or interviews. Could you research these for different companies you apply for?



Thank you!

We have employers and TTE staff here, so please mingle and ask any questions you may have.

Thank you for coming along!

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