

SUMMER INTERNSHIP PROCESS DEVELOPMENT ENGINEER (UK)

Location:	Trafalgar Square, London (occasional travel inside the UK may be required)
Reporting to:	Process Development Engineer
Hours of Work:	09:00 - 17:00, Monday to Friday
Salary Range:	£22,000

Job summary / Purpose of the role

Are you a proactive and motivated Chemical Engineering Graduate (or an undergraduate heading into the final year of your Chemical Engineering Degree) with an interest in the UK storage and energy market? This is a fantastic opportunity to gain valuable experience at a small but growing international organisation that is leading the way towards a cleaner, more efficient and secure energy future.

Highview Power's proprietary long duration, zero emissions energy storage system utilises cryogenic technology and surplus electricity; at times of low demand/low cost to make liquid air which can be stored. Later, this energy can be converted back into electricity and released into the grid, at times of high demand/high cost.

This award-winning technology has been dubbed as "the missing link" to making renewable green energy sources a more resilient, reliable and cost-effective option when compared with traditional carbon alternatives.

Highview Power value their employees and are committed to creating a positive and inspiring working environment.

As a member of the process engineering team, you will primarily be responsible for delivering process deliverables for a range of projects. The ideal candidate will be a logical thinker with the capability to quickly analyse a problem and deliver a practical solution. They will have the ability to pick up new concepts rapidly and work both independently and collaboratively.

This role will run for an initial period of 3 – 6 months, with the potential to extend if suitable for both parties.

In return, Highview Power will provide the successful candidate with an opportunity to develop and gain experience in an exciting and rapidly growing industry, an appropriate salary and the chance to be a part of building a cleaner, greener, better future for everyone.

Key tasks, activities and responsibilities of the role

- Producing and interpreting process engineering deliverables including heat and mass balances, line lists and equipment lists.
- Preliminary sizing and specification of pumps, vessels, heat exchangers and valves.
- Site based activities on operational plant including as-building of plant drawings, performance testing and process optimisation.
- Process modelling to identify and assess potential improvements in the process.
- Potential research-based activities requiring high level analysis of energy storage technology and the energy market.
- Drafting and interpreting technical drawings including P&IDs and PFDs.
- Regularly communicate progress with the process team effectively and professionally.
- Build strong working relationships, both internally and externally.

Please note that this is not an exhaustive list of general tasks and duties, and that the job description may be subject to changes according to the requirements of the organisation. The job holder will be expected to complete all tasks within his/her level of skill and ability.

Person Specification

Please use this in conjunction with the advertised requirements.

The final column indicates how we will tell if you have provided evidence of the requirements. Criteria considered from your CV and/or application form will be marked Short listing. Those reviewed when we meet you will be marked Interview, and those considered via numeracy and literacy tests completed prior to or at the interview will be marked Test.

	Essential	Desirable	How to be measured
Qualifications & Training	<ul style="list-style-type: none"> Educated to Degree standard or heading into the final year of Chemical Engineering degree. 	<ul style="list-style-type: none"> Process modelling experience (Aspen HYSYS, Aspen +, MATLAB, PRO/II etc.) 	Short listing
Skills, Knowledge & Experience	<ul style="list-style-type: none"> Microsoft Office proficiency (Excel & Word). Ability to communicate effectively both orally and in writing. Sound report writing skills and ability to prepare, comprehend and communicate engineering and technological documents. Strong foundation in thermodynamics. 	<ul style="list-style-type: none"> Experience working on research projects relating to Energy Storage industry an advantage. 	Short listing / Interview
Behavioural Competencies	<ul style="list-style-type: none"> Change and Innovative - Looks for new and better ways to do things, generates new ideas and takes an innovative approach to solving issues or problems. Team working - Develops effective, supportive and collaborative relationships with colleagues. Is considerate towards others; and contributes towards a positive team spirit. Planning & Organising - Identifies the key issues, effectively prioritises tasks, plans ahead and manages expectations. Can meet deadlines and respond to tasks within a timescale. Making considered decisions - Analyses available information and/or the situation logically using clear criteria before taking action. Escalates high risk/cost matters appropriately with proposed solution. 		Short listing / Interview

	<ul style="list-style-type: none"> • Resilience - Can work under pressure and deal with situations calmly. Sticks with the task even when it gets difficult, tedious or inconvenient. • Flexibility - Actively takes on whatever role or task is required to achieve the business goals. Approaches work with a 'hands on', 'can do' attitude. Prepared to roll up sleeves. No task is beneath them. • Effective Communication - Ability to build rapport with a diverse range of stakeholders. Listens to other's opinions. Both written and verbal communication is structured logically, delivered with confidence, clarity, tact and credibility; and is adapted appropriately to the situation. 		
Personal Qualities / Specific Requirements	<ul style="list-style-type: none"> • Attention to detail • Questioning nature, not afraid to ask silly questions. • High level of integrity and diplomacy. • A highly motivated, reliable and responsible individual. • Has a genuine interest in the environment, sustainability and renewable energy. 		Interview