

SUMMER PLACEMENTS - 2022

 Ormskirk, West Lancashire
 £270 per week



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We have several Summer student placements working on short term projects within R&D at our Lathom site. These opportunities would be ideal for students with a passion for technology who are studying for or about to begin a degree in a science or engineering discipline. Training will be provided where necessary. Placements will be for a minimum period of 8 weeks, commencing in summer 2022, however this may be extended by mutual agreement.

The Placements:

- A. Flat Glass Technology:** Glass fault micrography. Extensive use of a Zeiss Axio Imager microscope and associated software to analyse, measure and image common faults from the float glass process. A library of images will ultimately be generated, to be used for future problem solving and training activities in the FGT Group.
- B. Spectroscopy:** Optical and thermal analysis of glazing products to support an on-going research project into improved measurement capability and optical modelling. Use of test equipment and facilities across site, requiring a student interested in physics and maths.
- C. R&D Engineering:** Re-defining the anti-condensation measurement principle. Recommissioning the existing logging system and determining the optimum connections for the laser light source, light sensor and thermocouple systems to produce a working model – suitable for a student with an electronics/engineering background.
- D. Simulation Team:** The placement will focus on the analysis of, previously measured, HUD (Head UP Display) data to understand the sensitivity of quality parameters to glass shape. This will involve the use of 3D modelling and analysis software, training will be provided.
- E. Intellectual Property (#1):** An opportunity for a STEM student with an interest in the automotive industry to support the IP Department Patent Portfolio Manager with a new innovation pilot project. The ideal candidate will have strong communication skills and self-driven research experience. A knowledge/interest of intellectual property would be advantageous but is not essential.
- F. Intellectual Property (#2):** This second opportunity within the Intellectual Property Department is for a STEM student with an interest in how inventions are created and protected, to work with one or more members of the IP Team in Lathom. The opportunity may involve for example, analysing patent literature to support the filing of new patent applications, and/or supporting internal procedures required as part of the prosecution of patent applications through to grant.
- G. On-Line Coatings:** Laboratory based investigation into coating of oxide materials and control of specific oxidation states. Activities include chemical handling and coating deposition at high temperature, thin film characterisation through optical assessment and surface microscopy. The candidate will ideally have a chemistry background.
- H. Laminated Products:** Investigation of functional laminated products for a variety of automotive and architectural applications. Hands-on role, integrated with ongoing projects, using facilities and test/measurement equipment on site. Require a student with a science/engineering background who can learn quickly, act independently, and has an eye for detail.

Benefits:

- Monday – Friday, 8.30 am – 5.00 pm with a one hour lunch
- Holiday entitlement – 2 days per month
- On site Car Parking and Restaurant

A full UK driving licence and car ownership would be an advantage due to limited public transport to the site.

Please send your CV and covering letter to RecruitmentVacanciesUK@pl.nsg.com and quote reference **PTML-T22-03 followed by the corresponding letter(s) for the placement(s) you are interested in.**
Closing date 15th April 2022.