

# Case Study

## 'The CATCH Experience' for Hull University students



*The University of Hull is now in its fourth year delivering MEng and BEng degrees in Chemical Engineering. Student numbers on this course are increasing year-on-year and one of the reasons is the 'CATCH' experience.*

### Brief

Students who study chemical engineering need to gain practical experience so that they fully understand the concepts being taught in the classroom.

### Approach

During the first year of their degree the students are undertaking practical training on the unique CATCH facility. This training is predominantly to underpin the theory taught in lectures and gives the students a real feel for industry equipment, such as pumps, pipes, instrumentation, tank farms and associated process operations. For most students this is their first time on a real live process plant, working to industry standards and health & safety regulations.

### Solution

HCF CATCH and the University of Hull developed this practical programme together and an overview that includes:

- Gain an awareness of mechanical engineering by reviewing different pumps and gearboxes.
- Hands-on mechanical joint integrity and validation.
- Identify specified equipment from a 2D drawing and locate on the process plant.
- Gain an understanding of Process Operations by actually controlling the plant through the distributed control system.
- Work in teams and communicate with third parties.

### Benefits for students

- Better career prospects for graduates.
- Greater awareness of procedures.
- Develop the necessary mindset early.
- Gain valuable experience that you would only get by working on a real process plant site.

*"The students found the CATCH experience invaluable, as this added an enhanced learning experience".*



*Students on the Process Plant*

*"The University of Hull students had a great insight into chemical engineering. It was a pleasure to give students the opportunity to see the big picture. We, at CATCH, strongly feel this will benefit the students throughout their degree programme".*

*Matt Goodwin BSc, Tutor, HCF CATCH*



*Matt Goodwin, demonstrating mechanical joint integrity training.*

For more information call, 01469 552828 or visit [hcfcatch.com](http://hcfcatch.com)



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