



Welcome to the 2019 Huddersfield Railway Challenge Team (HUDRAIL)

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IMechE

HudRail would like to give a huge thanks to the IMechE and Stapleford Light Railway for organising and hosting this amazing event. IMechE memberships are freely available to all students starting at Affiliate level and advancing further to an Incorporated Engineering status or a Chartered Engineering status. The Stapleford Light Railway is always looking for new volunteers to help out on track and keep the wonderful place running.



The Railway Challenge Weekend

HudRail is extremely happy to have participated in the 2019 Railway Challenge, organised by the IMechE and hosted by the Stapleford Light Railway. We would like to congratulate the winners of each challenge and the overall champion of the competition, Aachen University. It was nice to see an increasing number of female engineers and international teams present at the competition, including a new team this year Politechnika Poznańska's.

HudRail is happy to announce that it came 8th in the Railway Challenge. The teams testing and scrutineering went well and we felt in a good position to make a podium finish. Unfortunately, some aspects didn't go to plan with the run, despite the test runs being successful. The team, however, is still immensely proud of all their hard work and have gained valuable skills and knowledge that will help future teams and their own development as Engineers. The team is glad to have matched last year's result and is eager to improve in next year's competition. The team has already had some ideas of creating a new locomotive that will outperform the current one. We hope to see an increasing number of teams in the 2020 Railway Challenge and we hope to strive to rank amongst the best of them.

Plans for Next Year

The team has worked hard to submit the innovation and design reports in compliance with the rules of the competition. Each report is worth 150 points in the competition. The innovation challenge is a report about how the team has created something new this year for the rail industry. As a team we decided that our innovation this year was the multiple testing rigs that have been created as some of these things haven't been done for scaled locomotives before. The design report is a full brief of the locomotive from safety and calculations to cost analysis and technical drawings. In total, the report amounted to over one hundred pages.

Sponsors



The team would like to thank all of its sponsors for supporting us throughout the year with your various services and products. HudRail would also like to thank the Institute of Railway Research again for providing the facilities needed to design, create and construct our locomotive. We are highly grateful for all of these amazing opportunities.