

## What's happening?

### Best Practice on TLP KO2

### Student Eurobalise Project

#### Overview:

Siemens Rail Automation (SRA) Graduates based in Chippenham participated in the Engineering Education Scheme - an EDT (Engineering Development Trust) Programme which links teams of Year 12 students and their teacher with local companies to work on real, scientific, engineering and technological problems. SRA graduates partnered up with Sheldon School for the 6 month project which was based around the Eurobalise, a piece of signalling equipment being installed on the Thameslink project as part of the automatic train protection system.



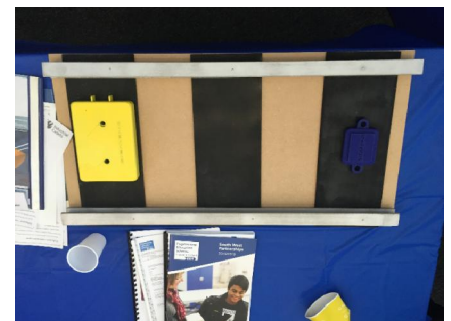
The task given to the students was to investigate ways in reducing the carbon footprint of a Eurobalise, solutions included modifying the shape, size and material used for the product. The students presented their findings to a panel of engineers at the EDT Celebration and Assessment Day hosted by Rolls Royce in Bristol along with 19 other schools. Further details and the school report is available on request.

#### Challenges

- Time constraints for SRA graduates, school teachers and students

#### Benefits

- Provides SRA with ideas for future product development
- Training and development for graduates
- Provides students with an in-depth experience in STEM that will enable them to make an informed decision about their future studies and career
- Improves industrial and higher education links and can provide early access to high ability, potential graduate recruits



#### Meeting TLP objectives and targets

This initiative is aligned with the following TLP Sustainability Strategy Objectives:

- Objective 7 – 'To proactively engage with communities around TLP to minimize negative impact and to work in partnership to maximise our social contribution'
- Objective 15 - 'to minimise the levels of carbon generated over the whole life of TLP'
- Objective 18 - 'Reduce waste during design process'