

RIVERSIDE SUNDERLAND

UNIVERSITY DESIGN CHALLENGE



Timber Trade Federation

Riverside Sunderland: University Design Challenge

A competition for built environment students at UK universities and 2020 graduates. Brought to you by TRADA's University Engagement Programme, which is supported by the Timber Trade Federation.

Sunderland City Council, Ministry of Building Innovation and Education (MOBIE), TRADA's University Engagement Programme and the Confederation of Timber Industries (CTI) are inviting current built environment students at UK universities and 2020 graduates to enter an exciting design competition for the chance to win cash prizes and promote their ideas for future living.

[Riverside Sunderland](#) is redefining the way(s) a city environment can be built, transforming a spectacular site into a unique, carbon neutral urban quarter – an extraordinary place to live, work and play.

We are inviting student and graduate teams to collaborate to design one home in detail and an indicative masterplan, to include landscape and streetscape with green and open spaces – a mixed and vibrant community of 100 desirable homes, on the Riverside Sunderland site. The schemes must be shown to be carbon neutral, creatively employing sustainable building materials and construction methods, and be energy efficient as well as technologically smart, focusing on the health and well-being of people, the community, and our planet.

The Brief

The competition has two elements:

- A. An indicative masterplan to include landscape, streetscape and 100 homes
- B. The design of one three bed family home in detail

The main material focus and specification for the homes will be timber and timber hybrid systems. Housing types should be designed and engineered to be manufactured locally, utilising modern methods of construction (MMC). Homes should meet or exceed the [RIBA 2030 challenge](#) and must be adaptable to meet the needs of living and working now and in the future.

Teams

We are inviting built environment students and 2020 graduates to take part in this exciting and fun challenge, to form small interdisciplinary design teams of 4 to 8 members with the opportunity to:

- Collaborate and work as a member of a design team
- Learn from a host of professionals at the forefront of modern construction
- Shape the way we live and work in the future
- Have your work published online, in print or displayed at shows
- Win cash prizes

You can self-select your team or we can help you to form a team from registered individuals.

Within your team you should assign roles for the following core professions:

- Architect or Architectural Technologist
- Structural or Civil Engineer
- Quantity Surveyor or Project Manager
- Landscape Architect or Urban Designer

You could include Building Services Engineers, Interior Designers, Graphic Designers or Illustrators.

The Site

The site at [Vaux Sunderland](#) (shaded in pink and bright green below) is adjacent to Sunderland City Centre and bounded to the north by the River Wear.



Essentials

- **To enter the competition:** Register your individual interest at www.mobie.org.uk/riverside.
- **Competition launch:** Monday 1 February 6pm.
- **Full brief available:** Post launch to registered individuals.
- **Webinars:** To aid and inform participants, a series of evening online webinars will run concurrently with the competition. Speakers will: present concepts, products, projects, research, tips and tools; offer advice; and answer questions.
- **Team scheme proposal to include:** Indicative masterplan and home design posters (A2); supporting document (A3); concept image; and concept 10-minute video presentation MP4.
- **Closing date for entries:** 11.59pm Friday, 28 May 2021.
- **Judging:** Judging will take place during June 2021.
- **Prizes:** Four winning places, with cash prizes for each team member: 1st - £250; 2nd - £150; 3rd - £100; 4th - £50. Plus, certificates for all valid entries.

Further Details

For more information, please contact TRADA's University Engagement Manager Tabitha Binding on tbinding@trada.co.uk.

Climate Crisis | Sustainable Construction | Quality Homes

Competition Objectives

To design, specify, manufacture and construct quality timber homes that are carbon neutral, desirable, long lasting, economic to construct and economic to run. We require inter-disciplinary design teams that are climate literate, understand what sustainable timber is, what timber and timber products are available and how to use them effectively and efficiently.

Getting Started

Through a series of interactive webinars, we will introduce you to associations, professionals, resources, research and products that will increase your knowledge and aid your understanding.

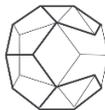
The webinar series will introduce:

- The Climate Challenge
- Routes to carbon neutral and net zero homes
- Sustainable forestry and timber products
- Offsite and modern methods of construction
- Life Cycle Assessments (LCA) and carbon calculation tools
- A network of professionals
- Interdisciplinary design teams
- Actual and theoretical award-winning timber homes
- The benefits of timber and where caution is advised in its use
- Essential resources

The series will run throughout February from 18:00 on Tuesdays, Wednesdays, and Thursdays. Booking will be via Eventbrite. Full details to be published shortly.

On Fridays, we will hold informal networking and discussion evenings starting at 18:45.

Special thanks to our sponsors:

GOLD	 Confederation of Timber Industries			
SILVER	 Solutions for Building Technology		 PEFC PEFC16-01-01 Promoting Sustainable Forest Management www.pefc.co.uk	 tdca TIMBER DECKING AND CLADDING ASSOCIATION
BRONZE	 The Alliance for Sustainable Building Products			