



The Structural Engineering Research Group (SERG) and Concrete Technology Unit (CTU) offer research facilities and expertise for the construction sector.

Concrete Technology and Structural Engineering



Deployable stadium cover



Microscopic characterisation of replacement cement materials

Further information

To find out what SERG and CTU can do for you contact Moray Newlands.

T: 01382 381029
E: m.d.z.newlands@dundee.ac.uk

Research & Innovation Services

To find out more about other areas of academic expertise at the University of Dundee contact

T: 01382 384664
E: research@dundee.ac.uk

www.dundee.ac.uk/research/

A range of expertise is available in concrete science, environment and construction technology; durability, repair and maintenance strategies; recycling/reuse of materials and sustainability issues; novel construction applications; and risk assessments and whole life cost analysis.

Structural expertise includes numerical simulation, full scale experimental testing and innovative design.

Current projects

Current SERG and CTU projects include:

- Bridge expansion joints
- Timber wall panels
- Characterisation of construction and demolition waste for use in concrete
- Use of granulated rubber in concrete

Funding

- Knowledge Transfer Partnership scheme
- Industrial sources

Opportunities

We welcome opportunities for collaboration from businesses interested in innovative design and using technology to meet new challenges.

Expertise:

- Testing facilities for static and dynamic loads
- Computer modelling of structures
- Applications for the design of joints, timber frames, walls and lightweight shelter structures
- Recycling construction aggregate
- Fly ash processing and minimum waste applications
- Innovative cement combinations
- Developing concrete science in new and existing market sectors
- Concrete performance
- Non-radioactive waste solidification methods
- Lime-Stabilised Clays
- Helping SMEs adapt to changes in the construction sector (www.ctucpd.co.uk)