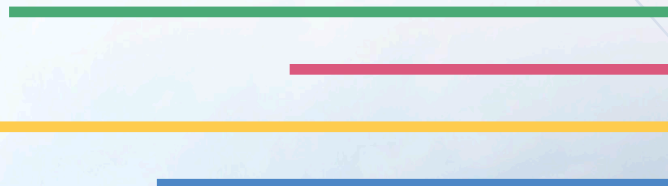




STRAP

*Structural Analysis, Design and Detailing Systems
for the Civil and Structural Engineer*



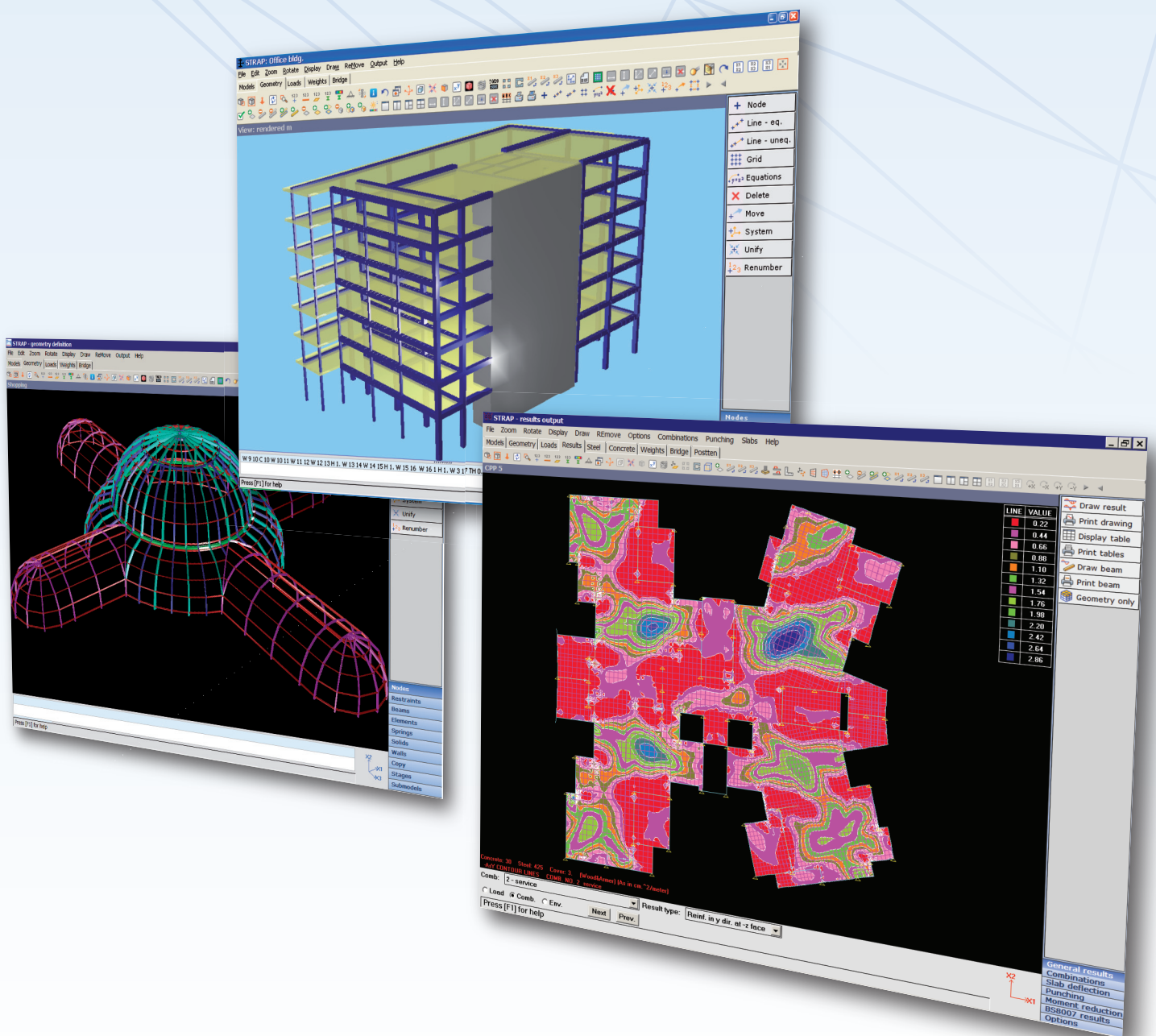
STRAP is one of the most comprehensive and versatile structural software packages available on the market today. Covering the entire design process from analysis to the production of drawings and schedules, STRAP offers the engineer a powerful but affordable tool for use on a wide range of concrete and steel structures including buildings, bridges, shells, tanks and towers. Despite its considerable power, its easy-to-use and modular nature makes it equally suitable for projects large and small.

Developed specifically to meet the practical needs of the Civil and Structural Engineer, STRAP has many productivity tools which speed up and simplify both data input and the interpretation of results. For example, a STRAP user can retrieve a model from a library of typical structures and complete it very quickly by defining only a few parameters. Using the powerful sub-modeling feature, a complex model (e.g. multi-storey building) can be quickly assembled from basic sub-models (e.g. floors). A sophisticated mesh generator enables the user to divide the surface of any contour into finite elements in one simple step.



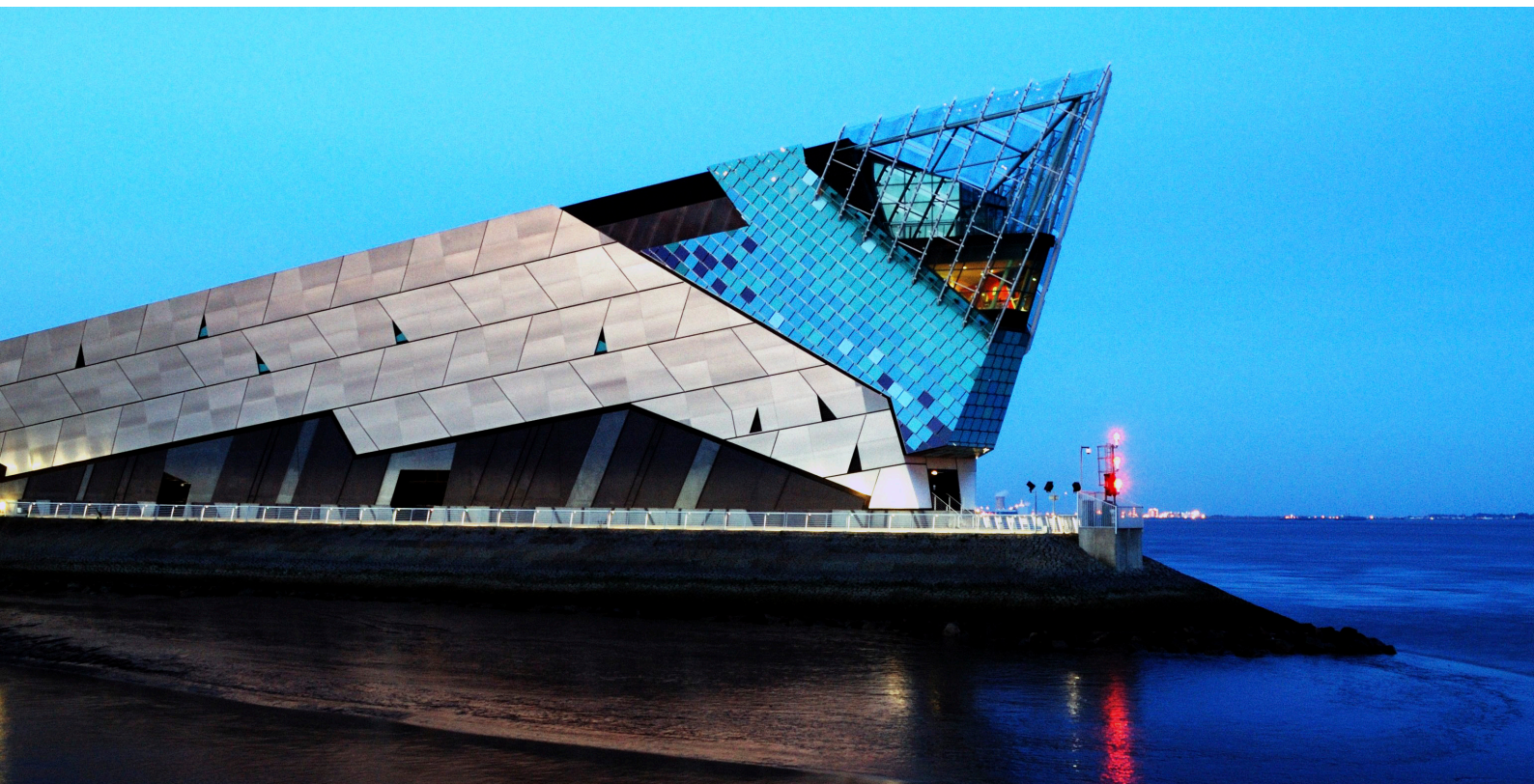
Construction companies, government departments, international agencies and engineering consultancies worldwide have used STRAP on numerous major projects including bridges and prestigious buildings designed by the world's leading architects. Recent projects include the London 2012 Olympic stadium and the spectacular 'Palace of Peace' in Kazakhstan.

In many structural programs the process of viewing and interpreting complex results is difficult and time-consuming. STRAP contains a wide variety of options for sorting, selecting and displaying the results, graphically or in tabular form. Together with the practical and logical nature of STRAP's graphical user interface, STRAP's easy-to-understand output makes it suitable for use by Engineers of all levels of experience.



Comprehensive design post-processors are available:

- **Steel** - Hot rolled, light gauge and connections design.
- **Bridge** - Generating critical load cases and influence lines.
- **Post-tensioning** - Of beams and slabs.
- **Concrete** - Beams, columns, walls and slabs-design and detailing.



The Deep (sea-life centre and aquarium), Hull, UK
Architect: Sir Terry Farrell / Engineer: Jubb and Partners.