

Now's the time to seriously consider Steel

Kiwi ingenuity with steel is reaching new heights. Recent projects are a testament to what can be achieved in both ordinary and seemingly mission impossible scenarios. Read about these on www.scnz.org

The attributes of steel allow it to convert many construction challenges into impressive and efficient solutions.

The Modern Advantages of Steel

→ **Flexible, strong and lightweight**

The strength to weight ratio of steel allows it to be easily formed and joined. It makes it easy for builders to handle, and allows for inventive design options.

→ **Beauty, drama & sustainability**

Today's technologies allow architects to create challenging building designs and incorporate sophisticated green solutions that are too costly to achieve with other materials.

→ **Fast build**

Steel framing's simple "stick" design and the use of simple site bolted connections allows construction to proceed rapidly from the start of erection. Fast construction lowers financing costs & overhead expenses.

→ **Accuracy**

Speed and accuracy of construction is critical to the creation of a building and stakeholder value. Steel can be fabricated down to the last critical millimetre.

→ **Energy efficiency**

Minimising floor-to-floor heights helps curb heating and cooling costs. Mechanical systems can be easily integrated into beams.

→ **Earthquake safety**

Steel can be engineered to better withstand earthquakes. Steel should be at the top of the list to protect against earthquake damage.

→ **Future proofing costs**

Steel is the only material that allows the strength and space of a structure to be modified economically once it is built.

→ **Optimising space**

The long spanning capacity of steel enables the creation of large unobstructed space in multi-story buildings.

→ **One material, many lives**

The greatest sustainable advantage of steel is that, more or less regardless of age or condition, it can be reused or recycled again and again.

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SCNZ takes reasonable care to ensure the accuracy and reliability of its literature and any advice provided through the Design Support Service and, to the extent permitted by law, will not be liable for any inaccuracies, omissions or errors in this information nor for any actions taken in reliance on this information.



A SCNZ complimentary Design Support Service for Building Specifiers.

Let us help you meet today's challenges for inspiring, smart, efficient, safe buildings by exploring the best steel options for your project.

Please contact us on 09 263 5635 or email: info@scnz.org, www.scnz.org

Published February 2010



Put the best Steel option on the table





A Complimentary Design Support Service for Building Specifiers

Today the stunning advantages and design flexibility of modern steel construction hit the news regularly. At SCNZ we consider it crucial to provide architects and engineers with an easily accessible service that helps design teams put the best steel options on the table. We offer leading expertise – free to all building specifiers.

Home in on an optimal Steel solution...early

An early exploration of the potential of steel construction is invaluable. It ensures that cost effective steel designs are considered right from the start.

We work alongside your design team while you prepare your designs – feeding our expertise into your process. Remember, the right information is essential in our fast paced competitive industry. The sooner you have access to our service, the more value we can add to your project.

Multi-level assistance

Our support team offer comprehensive help on major projects like:

- Multi-storey residential and retail projects
- Offices (low and high rise)
- Parking structures
- Healthcare and institutional buildings
- Bridges



This free design support service is about creating confidence in your choice of construction materials. Today the art of cost-effectively using steel lies in the skill of knowing how to optimise it. When you optimise the use of structural steel with smart design it is generally the best value construction solution.

What SCNZ Design Support Service offers

In response to your brief, the team at SCNZ Design Support Service (DSS) prepare one or more preliminary costed structural design options that involve the efficient and cost-effective use of structural steel. These options are presented to your design team for your consideration during the evaluation of different structural systems and materials of construction.

This strictly confidential free service includes:

- Thorough interaction with your design team (usually the engineer and architect)
- A detailed assessment of the specific benefits of steel frame options
- Cost-effective construction concepts
- Attention to relevant design and construction issues (eg. fire, vibration, coatings, build-ability etc)
- Crucial assistance in the accurate current costing of steel and steel related components
- General technical advice
- The results are provided in the form of design notes and sketches, or a formal report, depending on your need. We talk everything through.
- We do not undertake final designs. These remain the responsibility of the project design team.

From Quick Technical Support to Preliminary Design

We respond to the level of information and interaction you require. Whilst we can provide this service excellently by phone & email, we can also arrange to work face to face when required.

Most of our clients require a very comprehensive design report that may take around 10 days to prepare. We typically prepare and cost preliminary designs for more than one steel option. Some clients may only need pricing support, or need a review of their steel option to make sure they are on the right track. Even if you have a simple technical question about steel construction, feel free to contact us anytime.

We encourage the most efficient and innovative use of Steel

We do this by providing specific and up to the minute answers. What really is the best construction material? Is there a more inventive use of steel? Will it be quick to construct? How much will it cost? Know that your options have been thoroughly investigated without costing you a cent.

“We will go the whole 9 yards to make sure your project is on the right track. If one of our options works for you – you’ll have all the information you need to hit the ground running.”
THE SCNZ DSS TEAM

Professionals serving professionals.

The SCNZ Design Support Service Team are engineers with considerable experience in developing optimised steel solutions, and are highly respected in the local structural engineering industry.

Our aim is to always move excellence in construction forward by helping provide optimal solutions. In our 15 years of operation we have prepared hundreds of steel option reports. Please visit the SCNZ website to see more about how SCNZ serves the Steel Construction industry.

“ This service isn’t just a good idea because it’s free. It’s great because it allows professionals to empower professionals to produce really good steel designs – ones that everyone involved can be proud of.”