

Finite Element Analysis

FEA defines interaction between components, stress concentrations and returns many real benefits such as improvement of the function/performance of the structure, cost reduction, identifying appropriate materials, minimising weight and optimising components without compromising the quality of the structure. The accuracy of the output of FEA is heavily dependant on the performing engineer's experience & skillsets, and **RCE** can confidently say that our expertise engineers are reliable and carries extensive domain knowledge in FEA design services.

Rise Consulting Engineers utilize FEA as a primary tool to understand and enhance the structural behaviour of the building. We are equipped with the latest technologies and software, confident in providing accurate and optimal analysis for the designing of the complex structures. Our engineers have a wide range of experiences in implementing FEA in the design process to evaluate several variations of design concepts, which ultimately allows **RCE** to propose an economically viable solutions.

From basic hand calculations to FEA models using the latest software, **RCE** reflect the context of the component being analysed and the loading being applied to ensure that an accurate model is created to provide a design that exceeds the client's expectation. **Rise Consulting Engineers** are open to be in touch for professional consulting to offer possible design solutions and deliver appropriate recommendations suited to each individual project.

