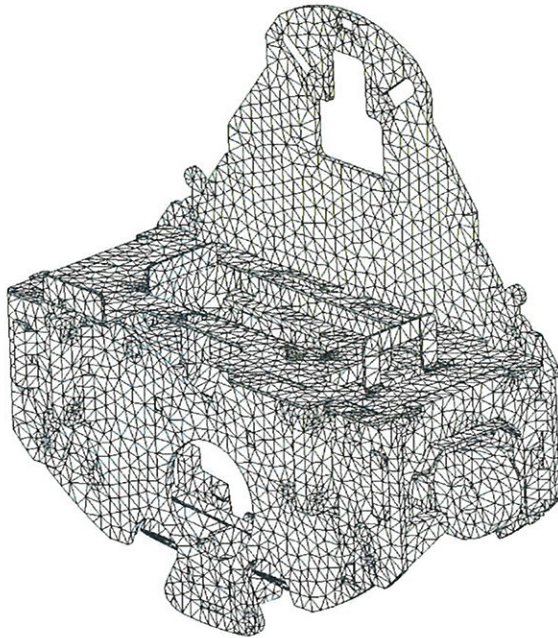


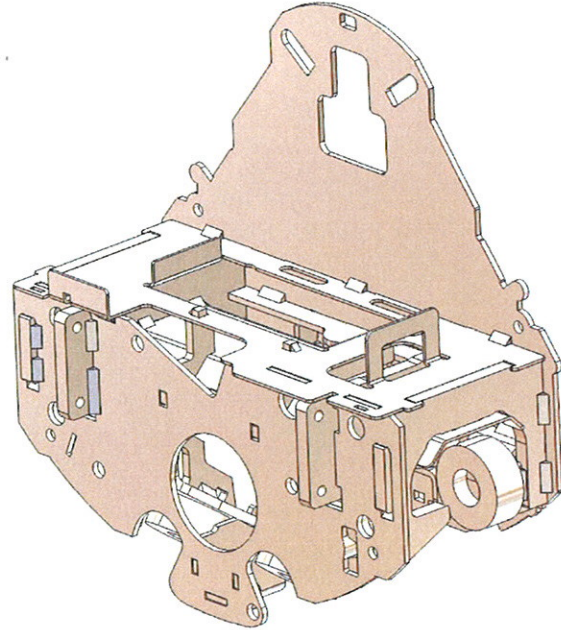
STRESS ANALYSIS

We can perform stress analyses using the simpler classical methods or, for the more complex geometries, using finite element analysis. In our early days we developed our own finite element software for non-linear studies, so we have a very strong understanding of the technique, its strengths and its weaknesses. Static, non-linear, dynamic, large strain, large deflection, thermal - if you can define it; we can analyse it.



We use a wide range of analysis tools, including: Abaqus, Cosmos, and MODSAP. The research, training and prior experience of our engineers also enables us to write our own specialist analysis software if required.

The illustrations show the carriage for a domestic stairlift: the 3D model, the mesh and finally the computed stresses, a complex, highly non-linear study.



Our training and experience with a wide range of complex problems ensures that we use our analytical tools to their full extent, offering you an accurate, cost-effective and rapid solution.

