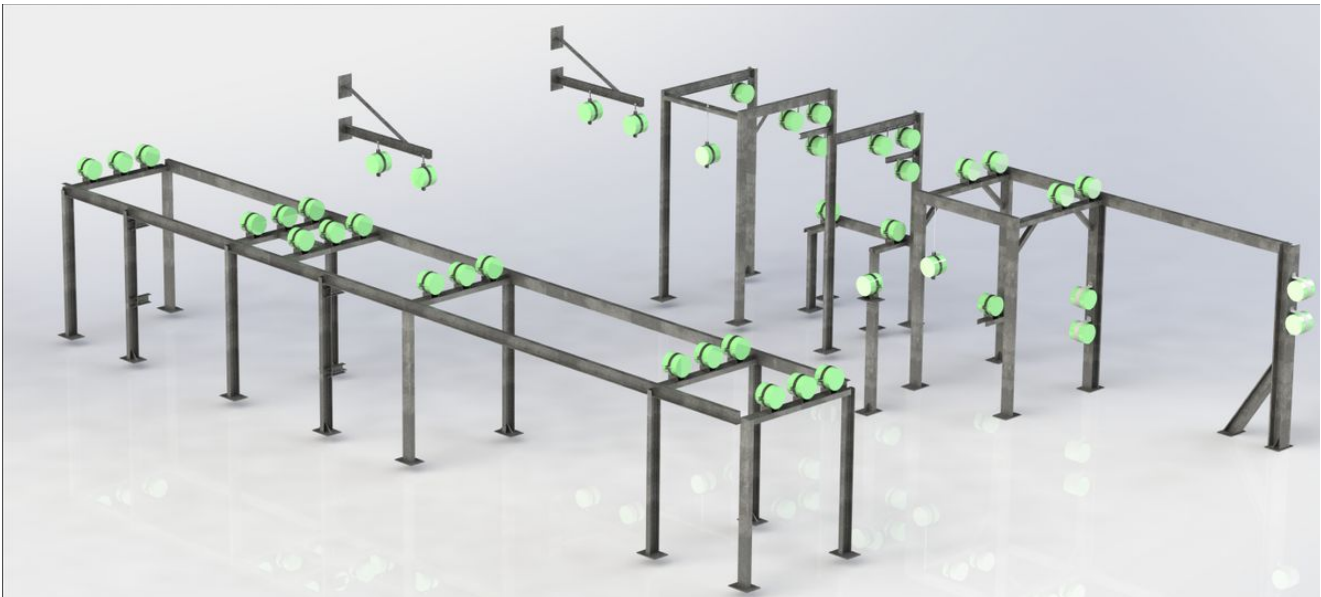


# STRESS ANALYSIS FOR STEEL STRUCTURES



## DESIGN - FEA

"Finite Element Analysis" from Merivale Design Group provide comprehensive reporting on the suitability of the steel design



## SITE REVIEWS

Experienced and fully trained engineers are available to visit your installation review the install and provide a sign off .



## DELIVER ON TIME

Perfect for your prefabrication needs, 3D models available for coordination and integration to Revit



## SAFETY AND ASSURANCE

All our EPM's are strictly designed to the British and European design codes: BS EN 13480-3

## SAFE, RELIABLE, DESIGNS

Merivale Design Group. uses computational analysis and Finite Element Analysis when designing all steel structures, from simple beam analysis to complex interconnected multi-service supports. Our engineers have the experience and tools to provide solutions that fit the constraints of your project, all our designs are compliant with the latest Euro-code.

Designs include for **load cases** including:

Wind loading, Snow, Seismic, Static and live loads.

**Full and detailed reports** including:

Material Stresses, Deflections, Steel utilisation, Concrete fixings, Pipe Support details and more....

As each model is designed and drawn in the 3D environment, for easy coordination and integration into your BIM models or REVIT Systems.

Why not combine with your **Engineered Pipe Model** to have a truly comprehensive and complete designed solution, perfect for prefabrication and offsite.

## ARE YOUR STEEL FRAMES APPROVED AND VALIDATED?