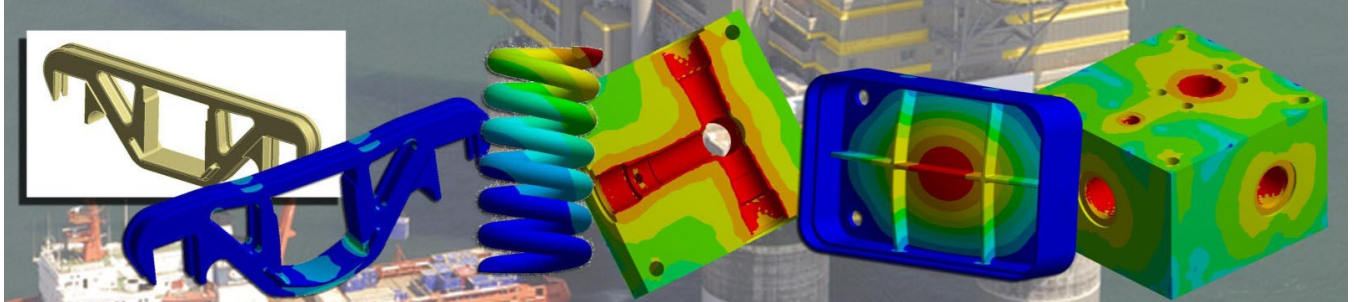


# MIB Engineers

## Finite Element Analysis Services



**MIB Engineers** conduct Finite Element Analysis (FEA) Studies of varying types and complexity. MIB Engineers uses industry standard software including ANSYS® to perform engineering simulations on components and assembly models. We provide customers with this crucial product data very quickly and accurately.

### Analysis disciplines offered include:

- ◆ Structural Static Analysis
- ◆ Linear Buckling Analysis
- ◆ Bonded and Sliding Contact Analysis
- ◆ Bolted and Welded Joints
- ◆ Cyclic Symmetry Analysis
- ◆ Steady State and Transient Thermal Analysis
- ◆ Conduction Thermal Modeling
- ◆ Convection Thermal Modeling
- ◆ Radiation Thermal Modeling
- ◆ Phase Change Thermal Modeling
- ◆ Beam Element Analysis

### Examples of component types we can analyze include:

- ◆ Machine Shafts, Couplings and Bearings
- ◆ Gears and Gearbox Analysis
- ◆ Actuators and Hydraulics
- ◆ Pressure Vessels and Pipework
- ◆ Environmental and Ventilation
- ◆ Primary Lifting Path Components
- ◆ Frames and Trusses

For full service engineering analysis using the latest digital techniques, MIB Engineers has the expertise to help you solve your machinery strength, lifetime and function problems using cost effective solutions. MIB Engineers will help you as part of your product design and development cycle.

**Call MIB Engineers for all your FEA and Engineering consulting needs.**

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