

Roll over Analysis of Bus Structure

CLIENT

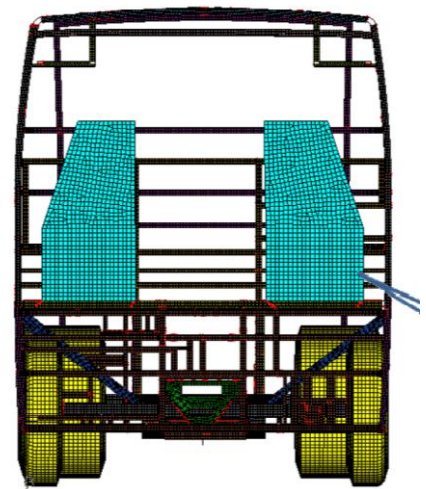
One of the leading OEM for Bus Body in India

CHALLENGE

To evaluate the strength of the superstructure as per AIS - 031

APPROACH

- Received the inputs from customer – CAD models, Mass details, Material details etc.
- Converted CAD model to FEA model
- Physical CG calculation of 1:1 Prototype
- Matching of Mass & CG in FEA model with physical model
- Pre processing setup as per AIS – 031
- Solving the model
- Interpreting the results and validate the structure as per standard requirements.



BENEFITS

- Successful completion of the project with the modeled data helped the client to eliminate the physical testing.

TECHNOLOGY

- CAD
- CAE

