Transportation Project 1

Product	***Trailers, Semi-Trailers, Modular Trailers***
Scope of Work	• Design & FE Analysis support for Trailer components • Create 3D models of complete trailer which includes loading decks, modules, prime mover with all important accessories. • Render image / videos of Trailers for sales presentation. • Create 3D models for payloads for construction & mining industry, Industrial & plant engineering, ship building industry, power industry/wind turbine sector & chemical industry. • Create sales drawings, rendered images, technical datasheets & product presentations from the 3D models.
Inputs	• All design Input with constraints • Drawings needed for 3D model creation. • Variable dimensions needed for making the assembly dynamic to meet varying customer requirements for customized products.
Challenges	• The Design should be skeleton based and should be able to change based on design constraint values. • The 3D models will be integrated to sales utility software's like CAMOS for quick drawing generation. • Varying customer needs with respect to project task requirements & software skills requirement.
Deliverables	• Concept Design, Weldment design, Reports, 3D CAD models with drawings, Sales drawings, High definition rendered images, Animation & Technical data sheets.
Platform/ Tools Used	• Pro/E Wildfire 4 (Advanced Assembly Exchange module), Right Hemisphere.
Value Addition to Customer	• Customer expectation was exceeded by quicker and quality deliveries on design, reports & drawings • Sales drawing creation time was reduced by more than three times with lot of techniques • Reducing the lead time for the sales team to get necessary details regarding the product for customer presentation viz. Drawings, Technical datasheets, animated movies & realistic images of the product.