

Case Study – Industrial Design for Riot Control Vehicle

Project – Industrial Design concept sketches for Riot Control Vehicle



Business Challenges

- Chassis Design & Development for Asian market based on existing design of Tanker application.
- Design & development of linkages from Front Twin Steering Axle & Driven Rear Single Axle.
- Propeller Shaft Design for Rear Single Axle.
- Full functional 3D CAD & 2D Production drawings.
- Preparation of Vehicle BOM for design, manufacturing & E-BOM for procurement.
- Active Prototype Build participation of Onsite & Offshore support.
- Vendor coordination for procurement of bought out parts.



Technosoft Solution

- Study existing design & suggested design improvement for low cost manufacturing & reduce maintenance problems.
- Created various kinematic linkages for twin steering front axles.
- Propositions given for more rigid chasses structure
- Helped customer with static & dynamic simulation for stress & deflection



Business Impact Delivered

- Shortened development cycle time due to effective use of CAD & engineering simulation
- Helped customer for Vendor coordination & prototype development at customer site

