

Life size mockup DMU coach (12mtr long)

BACKGROUND AND CHALLENGE

The customer wanted to modify the design of a 12-meter-long coach structure prototype made with actual materials. Moreover, the prototype also had to meet weight targets while ensuring product fitment, finish, and gap and flush.

SCOPE OF WORK

Develop a life size driver motor unit coach for display and demonstration in the unveiling event. The prototype coach needed to include all interior and exterior assets including branding, decals, and livery

SOLUTION

- Design modification of coach structure to ease manufacturing
- Digitally verify the structure for various loads resulting in movement and transportation of the product
- Providing the appropriate lifting resources to ease transportation

IMPACT

- End-to-end heavy engineering & prototype helped the customer validate a life-size coach and its aggregates, assembly & integration
- The prototype helped the customer land a multimillion-dollar contract

