

3W EV demo vehicle styling and demo build

Situation and objective

- The client is developing a new 3W EV taxi fleet
- Ricardo received a request to style, develop and build a moving demo vehicle in an extremely compressed timeframe

Ricardo responsibilities

- Create 2D sketches of possible styling solution to present to the client for selection
- Create 3D CAD models from selected 2D drawings to present for approval and then prepared 2D drawings and 3D model to support construction
- Create a rolling chassis / body (foam milling), 3D print key components (as lights groups, etc.) and select off shelf electrical components to develop the model
- Construction of demo vehicle and electrical parts / assembly and painting of the vehicle
- Presentation of finished demo vehicle to the client

Results and benefits

- Styling proposals made and presented to the client
- Regular communication with the client ensured their intent was captured in terms of both styling and functionality
- A moving demo vehicle completed and presented to the client in 6 weeks, followed by additional styling vehicles