Electrically assisted full suspension police mountain bike with quick release drive train and battery pack.

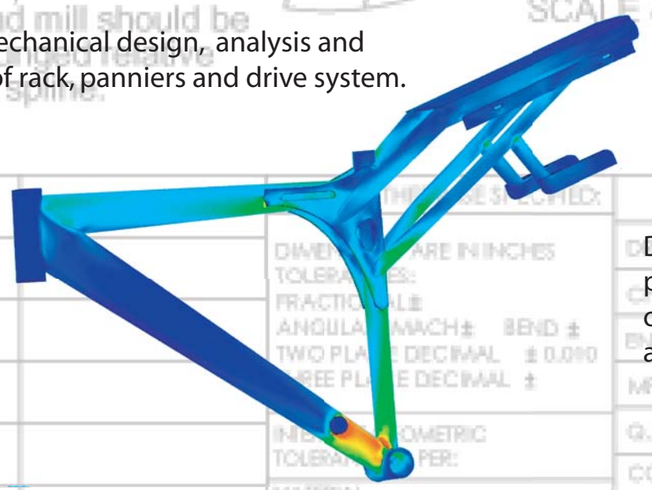
Max Speed: 34 m.p.h.
Range at Max Speed: 15 miles

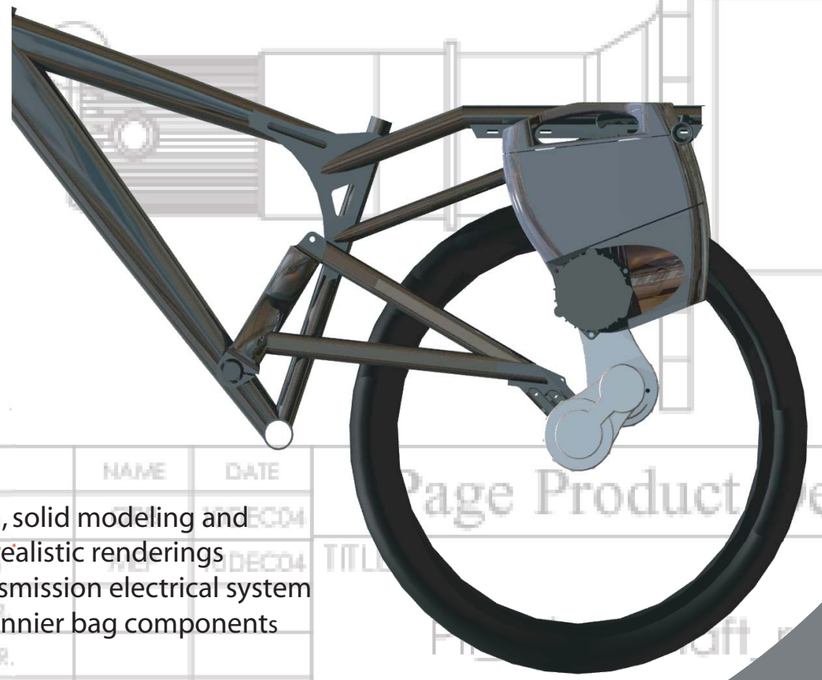
Early conceptual ID sketches of rack and pannier bag designs

Rapid form visualization using cardboard and hot-melt-glue.

Machine drawings and fabrication of pannier components, electrical system and transmission components.

Mechanical design, analysis and FEA of rack, panniers and drive system.





Design, solid modeling and photorealistic renderings of transmission electrical system and pannier bag components

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