

“ I came to FATHOM™ because they were close, convenient, and competitively priced. I stayed with FATHOM™ because their product was hands-down the best I'd come across in terms of build quality, post cleaning, and delivery. ”

— Aaron Latzke, Founder
Siva Cycle



FROM BRAINSTORM TO BUILD TO BIKE

3D Printing Services Help Entrepreneurs Launch Kickstarter Project with Success



CHALLENGE

Entrepreneurs Aaron Latzke and David Delcourt of Siva Cycle wanted to create a production-like prototype for their Kickstarter project — a bicycle generator and rechargeable battery pack designed to power virtually any electronic or mobile device via USB. The team needed to test mechanical functionality and dimensional accuracy before launching their 30-day campaign. Latzke and Delcourt specified that the rapid prototype be high in resolution and surface quality so it could also be used in marketing collateral for fund raising promotional efforts.



Image courtesy of Siva Cycle

PRODUCT OVERVIEW

The Siva Cycle Atom is a low profile, compact generator that easily attaches to any bicycle hub — weighing in at only 300 grams, all components including a 1300mAh battery pack fit inside an enclosure that is 7.5" tall by 3.0" wide by 1.2" deep. While the bicycle is in motion, electricity is generated and stored in the Atom battery pack that can later output a high quality, USB compatible 5V at up to 500mA.

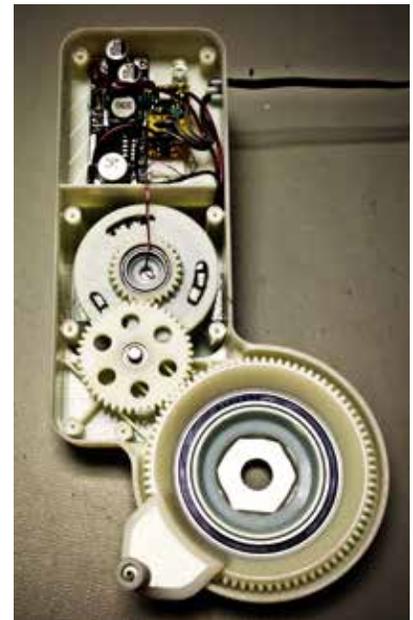


Image courtesy of Siva Cycle

SOLUTION

FATHOM™'s wide range of additive manufacturing services provided Latzke and Delcourt with a rapid prototyped part that met all requirements and exceeded expectations — dimensionally accurate, competitively priced, and hand delivered within two business days. FATHOM™'s quick turnaround and specialized services helped Latzke and Delcourt meet their three month design cycle. The KickStarter campaign raised more than \$40,000 above goal.

POLYJET TECHNOLOGY

Achieve smooth surfaces, thin walls, and complex geometries when using 3D printers driven by PolyJet Technology that features 16-micron layers with accuracy as high as 0.1 mm — the one and only technology that supports a wide selection of materials with properties that range from rubber to rigid and transparent to opaque. Plus, Objet Technology powered Connex 3D Printers allow users to print parts in multiple materials in a single build cycle.