



PARADIGM 3D *on the fly manufacturing*

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Paradigm 3D provided a “green” solution to UAE-based Recycle Beacon’s needs for a working prototype of their “Smart City Sensor”, in just two days!

Exceptionally fast new product development with Paradigm 3D bespoke 3D printing services

Co-founder of Recycle Beacon, Valerie Schafer, first approached the bespoke team at Paradigm with initial designs and sketches for an innovative sensor device that could revolutionize community recycling efforts. The sensor forms an integral system of monitoring and behavior analysis with a reward system for recyclers, incorporating a dynamic, online community of gamification, quizzes, videos and short articles. Paradigm 3D managed to deliver the functional prototype sensor in just two days from initial design consultation.



Recycle Beacon wanted to keep their product development in line with their environmentally friendly outlook, and at the same time quickly develop the working model for product testing and proof of concept verification. After researching the prospect of 3D printing their prototype, they turned to the experienced team at Paradigm 3D to assist with the final 3D CAD design and the building of the necessary parts in high performance industrial grade ABS material.

Paradigm 3D created a design that was optimized for 3D printing, incorporating useful assembly features and instructions into the actual model. Paradigm 3D has the largest regional capacity for 3D printing with Stratasys Performance 3D printers and used the Fortus 400 printer to build the parts for delivery the following day. The Paradigm facility can 3D print 24/7, so customers can have a fast turnaround of parts.

Valerie Schafer remarked “I was impressed with the Paradigm team because they didn’t just interpret our ideas into a 3D model within a couple of hours, but actually improved some areas saving us corrections to our prototype. We were very surprised that we could take delivery of our prototype model the following day. Paradigm 3D offered a “smart, green” and rapid solution to our needs. For low volume manufacturing, I would recommend looking at 3D printing to keep the cost of product development to a minimum and have less impact of the environment.”

Paradigm 3D general manager, Jimmy Nicolaidis concurred “with 3D printing only the materials needed are used – with Stratasys Performance 3D printers there is no toxic waste or emissions and ABS is recyclable material.”