

Smart Charger Design

Enventure offered concept and detailed design services to a US-based electronic product development company for a mobile charging dongle with innovative features.



About the Client

The Client is a leader in the electronic product development industry, offering solutions in design, engineering and prototyping for very well-known customers. The Client has an impressive history of developing revolutionary products for smart devices and is renowned as a leader in the development of accessories and peripherals for Apple® and Android® device users.



Business Need

The Client wanted to develop a uniquely shaped device that could safely charge cellular phones and tablets overnight. The business requirement was for a design that comprised an internal system for optimizing battery life. The product had to meet the demands of new-age customers and thereby, had to be easy to use, look sleek and have functionality that was technologically advanced.



Why Enventure?

Enventure had partnered with the Client for various projects and they knew that the Enventure team could be trusted as a reliable resource to complete the project on time and within budget. The client had also been impressed with Enventure's problem solving skills – an essential component in any R&D project.

The key factors that prompted the Client to select Enventure were:

- Skilled team with combined domain experience exceeding four million man-hours
- Well-established project management system
- ISO-certified quality management system
- Flexible teams that adapt to changing business needs
- Exceptional communication channels and customer service

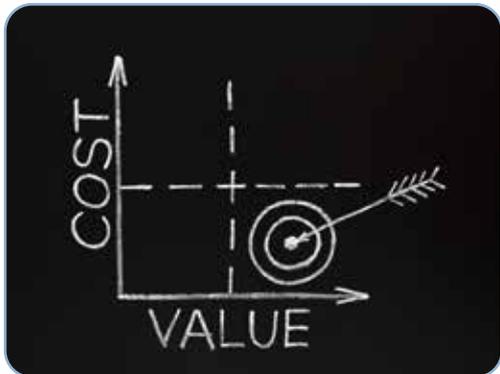


The Solution

Enventure assigned a team of designers and engineers on the project, who worked on the entire process from conceptualization to detailed design. There was a well-structured delivery framework in place, which ensured that specifications were made clear to all stakeholders, thereby ensuring that the project execution was on track. Keeping in mind the overall cost and schedule constraints, a system was established to make certain that all risks were

being mitigated and that change management was being handled efficiently. The mechanical detailed design was fully done on Solidworks®.

The final product was a flawless design, in terms of both visual appearance and performance; as well as in meeting the design intent.



Benefits

Enventure created a unique design for the product that enabled the Client to differentiate itself in the smart technology industry. The key benefits realized by the Client by engaging with Enventure were:

- Reduced design cycle time
- Project was completed below budget, and within target schedule
- Visually and functionally superior design, which gave the Client a competitive edge



Conclusion

The Client was able to do a rapid prototype and carry out testing successfully, which emphatically proved the diligence with which Enventure had executed the project. The efficiency in process and excellence in design strengthened the relationship between the two companies. Enventure has since successfully worked on several other design projects for the Client.



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