

Concept Development to Rapid Prototyping

Case Study Highlights

Client Profile:

Healthcare Service Provider, UK

Objective:

To conceptualize, design and develop prototype model of an emergency medical box

Challenges:

- Identifying the size and number of compartments required in the medical box
- Conceptualizing the model for emergency requirements
- Rapid prototyping the finalized model

Solution:

The medical box design was prepared using CAD tools based on the requirements received from the client. The number and size of compartments required were incorporated during the design process and the design was finalized for rapid prototyping.

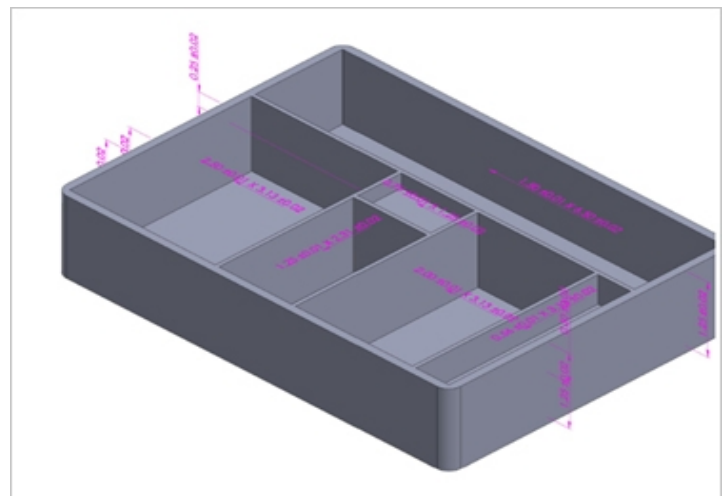
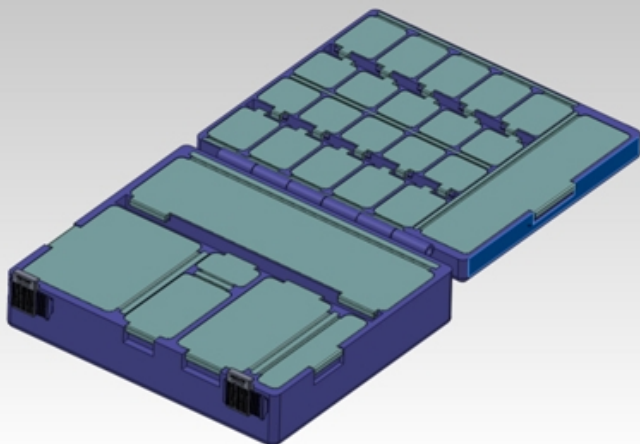
Solution

A leading global healthcare service provider from UK needed a comprehensive solution to devise a medical box for emergency situations. CAD professionals at Hi-Tech teamed up to conceptualize the box design, identified the number and sizes of compartment required to adequately include medicinal supplies and developed CAD model.

Based on the inputs received from the client, the medical box design was finalized and a prototype was developed using rapid prototyping technique.

Benefits

- Quick development of the conceptualized design reducing number of trials
- Prototype model allowed client to evaluate the design and make changes easily
- Digital design data provided complete information for future reference



About Mechanical 3D Modelling

Mechanical 3D Modelling is an India based company that caters for global clientele and plans to penetrate deeper into the existing and emerging markets. Proficiency lies in offering qualitative, cost effective and time bound mechanical engineering design services, including 2D, 3D CAD drafting, 3D solid modeling, FEA, CFD, rapid prototyping, reverse engineering. Professional and highly experienced team can handle all kind of CAD projects with the use of AutoCAD, Wildfire, 3D Max, Inventor, Solid Works, Solid-edges and Pro-e tools.