

## Case Study:



# Great Southern Hotel

### 3D Modelling and Printing delivers 5 Star result for Great Southern Hotel

Great Southern Hotel is an iconic old style hotel located in the heart of Sydney's vibrant entertainment district. Heritage-listed and recently refurbished to provide classic style grandeur of yesteryear with the comforts of today's modcons, the hotel offers 167 guest rooms, a restaurant, public bar and meeting facilities for up to 110 delegates.

#### Their Problem

As a part of the refurbishment, special ceiling fans were installed in each room. A hand held remote control was selected, to eliminate the need for wiring through existing walls. This choice, while correct from an economic and aesthetic point of view, left them with an operational issue – the remotes go "walkabout". Given that each needs to be coded individually to each ceiling fan to avoid one room's remote operating another room's fan – replacing them is a time consuming exercise.

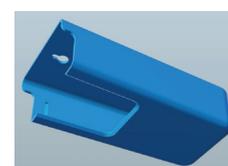
#### The Solution

Great Southern Hotel's Maintenance Manager, Shai Saar, investigated existing holders available to secure the remotes. Unfortunately, while some relatively inexpensive options were available they were not purpose designed so their look and function generally reflected their price!! Shai, together with Redstack's Design Engineer, investigated the concept of a purpose designed secure holder and agreed on project structure. Three alternate 3D models of designs concepts were developed using Autodesk Product Design Suite and considered for final design. The selected design was then easily documented for manufacturing from the 3D model.

Given the nature of the design and the low volume, 3D Printing was considered the most economic process for the manufacture of the

holder.

A prototype print was provided and it confirmed the final design for function and cost. Manufacturing and installation is well under way, and taking away the headache of replacing yet another remote for a ceiling fan.



*Models produced with Autodesk Product Design Suite and shared with Autodesk 360*

Shai commented, "It sounds like we made a mistake selecting a remote in the first place, but it saved significant money in terms both the cost of the hard wired control and its installation. The design of the remote holder is so simple, it just works. And we have ended up with a secure "hard wired" like control without the installation issues. In terms of cost, we estimate this solution saved us in the order of \$10,000. We use a lot less aspirin around here now too!!"

For more information on how Redstack might resolve some of your design issues, contact Redstack today.

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#### More information

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