

# Yas Viceroy Hotel

Owner: ALDAR  
Operators: Viceroy International

Scope: Project Management, Engineering & Replacement  
of existing light fixtures on the Gridshell  
Time of Execution: Annual Contract

Bringing the Yas Viceroy Hotel alive is the pixelated lighting design of its gridshell canopy. Thousands of LED lights create a dynamic presence in the night sky with colours floating smoothly across its double curved surface.

Yas Viceroy Hotel, Abu Dhabi Hotel is an amazing architectural landmark located within the Yas Marina Circuit. It is the first hotel in the world to be built over an F1 race circuit / track.

Of architectural and engineering significance, is the Hotel's main feature of the hotels design: a 217-meter expanse of sweeping, curvilinear glass and steel covering known as the gridshell. It features an LED lighting system incorporating video feeds that are transmitted over the 5,389 pivoting diamond-shaped colour changing LED panes. This gridshell component is a key aspect of the overall architectural design and significance of the project by producing an atmospheric-like veil visible from miles away.

However, few know that there is much beneath what keeps the sparkle of this much loved architectural wonder alive. Seven years into its operation, Creation was responsible to replace the faulty fixtures of the gridshell-critically

just two months before the F1 races were scheduled!

Within 60 days our Engineers had to diagnose the complicated software and hardware problems, replace the faulty fixtures, test, repair and offer remote support for all miscellaneous issues and undertake software maintenance to ensure smooth flow of specialized programming whenever required.

It is the core expertise of our trained team of Engineers that ensures that all the lighting systems of the gridshell are always ready to go, often at short notice. We provide all the technical support on the driver and power supply and also maintain the DMX Lighting Control Systems that control the dynamic lighting on the gridshell and its programs that operate various shows as required.

It is a measure of our capability and successful Project Management skills and strategy that has resulted in achieving optimum efficiency at this site. Needless to say that the challenges have been numerous and only those engaged in continuous background technical support, repair and maintenance truly understand what it means to have a happy client.