



## Case Study Celestia by DAMAC

**Business Vertical:**

Hotel & Leisure

**Location:**

Dubai - United Arab Emirates

**Description:**

Luxury hotel apartments by DAMAC

**Client:**

DAMAC

**Consultant:**

Engineering Consortium

**Contractor**

Sigma Engineering

**Teknoware Solution:**

Central Battery Systems

**Scope:**

Supply | Testing and Commissioning

**Channel Partner:**

Oriental Dynamic Solutions

Celestia by DAMAC is a ground plus seven floor complex comprising studios, one and two bedroom apartments, offering 5-star hotel services and amenities. The project is strategically placed in the centre of DWC Residential City and close to the world's largest airport, Al Maktoum International. The modern, architectural design inspires an opulent residential lifestyle, incorporating modern, sleek finishes in a warm, welcoming layout.

The high end project uses the 24 Circuit TAPSA Control Central Battery Unit with built-in charger to provide emergency backup in case of a power failure. There are 6 Control Panels with battery backup on this project; all connected on a network using Cat6 cables. The operator can monitor the panel, luminaire status and activate the luminaire and conduct a battery test from the central monitoring unit. Emergency & Exit Lights are connected on the same circuits and local controllers are provided to monitor the general lighting in case of DB power failure. Exit lights are always ON & Emergency lights are OFF in normal condition and automatically switch ON during general lighting DB power failure or when the respective central battery control panel mains supply disappears.

The front of house area uses over 1615 Nos. of 3W LED Recessed Mounted Addressable Luminaires and over 103 Nos. of 3W LED Wall | Ceiling Mounted Exit Luminaires combining high quality technology with modern design.

### Key Features

- Ideally suited for small and large projects
- Provision to test the central unit and luminaires attached to it.
- No need for separate data cabling between panels
- Includes all the functions required by EN50171
- System is self learning enabling automatic configuration during commissioning
- Automatic luminaire test once every day or week and a battery duration test once every six months
- Condition of the battery can be monitored continuously
- Fully compatible with Teknoware's Local Controller and Switch Controller as well as Intelligent Controller.