

Tridonic – We Manage Light

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A hand is shown in profile, reaching towards a series of glowing, curved light trails and particles. The background is a deep blue with many thin, parallel light lines and scattered circular particles, creating a sense of motion and light management.

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Examples of clients



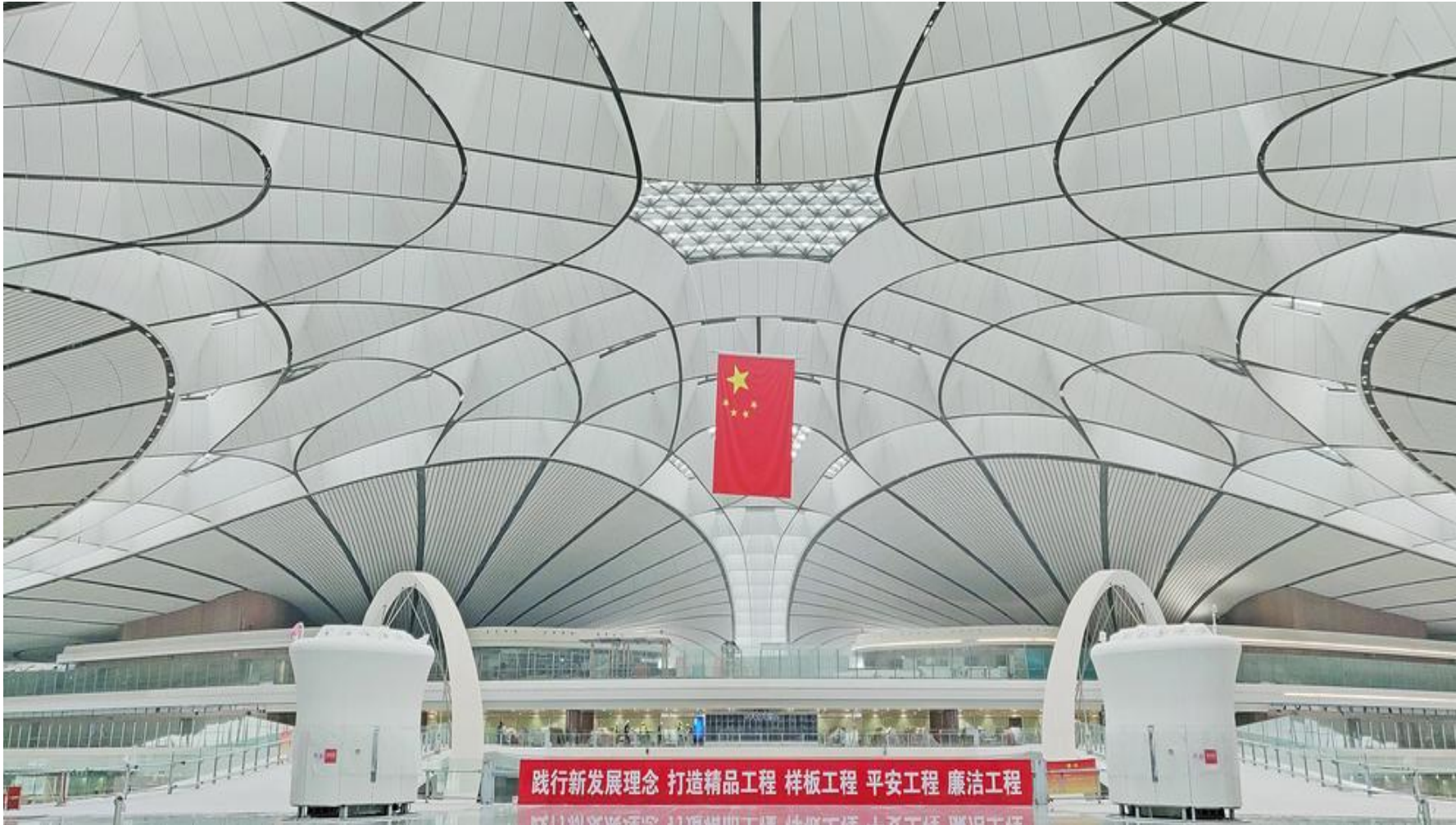
EMAAR



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Beijing Daxing International Airport

Beijing, China



Solution

- Compact and linear **DALI LED drivers** integrated into KNX BMS. Architectural specifications required a welcoming, contemporary ambiance for high passenger influx, necessitating rapid deployment of functional lighting with granular control, daylight integration, adjustable intensity, remote management, and simplified maintenance
- Architect: Zaha Hadid Architects, GB; End Client: Beijing Capital International Airport Co., LTD (BCIA), CN
- Read about the project [here](#)

Bahrain International Airport

Manama, Bahrain



Solution

- **15.000** pcs QLE 2500lm 4000K ADV SE **LED modules** + **4.000** pcs LCA 75W DALI **LED drivers** used for the stretch/barrisol ceiling luminaires all throughout the airport. Integrated into BMS. Controls needed particularly for daylight harvesting for energy savings and passenger comfort
- Supplier: Electrokinetics, BH; End Client: Bahrain Airport Company (BAC), BH

Emirates Business Class Lounge

Dubai, United Arab Emirates



Solution

- _ Illuminated canopy-like structure with marble effect powered by Tridonic TALEXXchain CRYSTAL modules & LCU 100W 12V LED drivers
- _ Supplier: Blue Rhine Industries, AE;
Architect: The Obuda Group, HU;
End Client: Emirates, AE

St. Exupery Airport

Lyon, France



Solution

- _ Around 1,000 new flight information display panels and direction signs backlit by **62,000 LED modules** from Tridonic. The TALEXXcontrol LNU dimmers fade the connected LEDs up or down automatically to the necessary level according to ambient brightness. The signage therefore always remains perfectly readable – even in areas with a very high proportion of natural daylight
- _ Supplier: SEV Enseignes, FR, AE;
Architect: The Obuda Group, HU;
End Client: Aéroports de Lyon, FR
- _ Read about the project [here](#)

Crossrail Line (Elizabeth Line)

London, United Kingdom



Solution

- _ LCAI 150W 350mA-1050mA ECO **INDUSTRY drivers** along with the LLE 24x280mm 2000lm 830 EXC **LED-modules** for the uplighters and high-wattage emergency luminaires (230 watts)
- _ Supplier: FUTURE Designs, GB; End Client: Transport for London, GB
- _ Read about the project [here](#)

King Abdul Aziz Tunnel

Mecca, Saudi Arabia



Solution

- _ Bespoke LED Lighting with Emergency back-up; originally using FL fittings, main aim is to reduce maintenance concerns for smooth traffic flow and safety at all times as well as to significantly reduce energy consumption
- _ 5,000 luminaires using LLE **Modules and LCI LED drivers** backed by EMconverterLED BASIC
- _ Supplier: Saudi Lighting Co., SA;
End Client: Umm Alqura for Development and Construction (UAQ), SA

Metro Line M3

Budapest, Hungary



Solution

- _ 6,150 **LED drivers** and 13,350 linear **LED modules** in various forms
- _ Lighting planning: FÖMTERV, HU;
Lighting design: Compass Lighting Kft, HU; Architects: Bright Field Studios Kft, HU;
Contractor: Strabag és Swietelsky;
End Client: BKV, HU
- _ Read about the project [here](#).

Schallberg Tunnel

A9 Simplon Pass, Switzerland



Solution

- Compliance with Swiss Engineers and Architects Association (SIA) standards is required; customized LED luminaires using **LLE modules** and **PRE LED drivers**. With an emission angle of 120° and CT of 6,500K, they and the transition zone luminaires together generate the recommended average carriageway luminances of 45 cd/m² in the entrance zone and 3 cd/m² in the interior of the tunnel, providing a comfortable, safe & energy-efficient lighting solution
- Supplier: Rigamonti, CH; End Client: Swiss Federal Roads Office, CH
- Read about the project [here](#)
- Watch the video [here](#)

Expo 2020 Entry Portals

Dubai, United Arab Emirates



Solution

- _ Surreal customized architectural lighting powered by Tridonic DALI DT8 LED drivers created with the main purpose of recreating the warmth of the natural Dubai light
- _ DT8 LED drivers catered to a dynamic white transition between 3000K to Amber while maintaining the same light intensity. 900 Tridonic DALI DT8 tunable white LED drivers were used

**DALI Lighting Award 2022 winner
in the Architectural &
Entertainment category**

- _ Supplier: Vice Lighting, LB; Lighting Design: AECOM, AE; End Client: Expo City Dubai Authority, AE
- _ Read about the project [here](#).

Roxy Cinemas, Dubai Hills Mall

Dubai, United Arab Emirates



Solution

- _ 10 units of future-proof, scalable, precise, & easily-commissionable light monitoring provided by Tridonic's sceneCOM evo DA2 lighting control system
- _ Further energy savings achieved using scheduled dimming and switching off as well as time delays using 200 DALI MSensors
- _ cove lights, downlights, tracklights, and spotlights powered by 2,200 Tridonic CV and CC PRE DALI LED drivers

**DALI Lighting Award 2023 winner
in the Architectural &
Entertainment category**

- _ Supplier: EASi LED Lighting, AE;
- _ End Client: Dubai Holding, AE
- _ Read about the project [here](#).

Bibliotheca Alexandrina

Alexandria, Egypt



Solution

- _ sceneCOM DALI lighting control system allows the lighting to be adjusted to meet the specific requirements of each exhibition, while time-based controls ensure that the lighting always reflects the curator's intentions. In addition, the adjustable lenses of the luminaires provide flexible lighting and emphasize selected exhibits or architectural features as required.

DALI Lighting Award 2024 Highly Commended, Commercial Interior category

- _ Supplier: Medix Middle East, EG;
End Client: Bibliotheca Alexandrina, EG
- _ Read about the project [here](#).

Riyad Bank HQ, KAFD

Riyadh, Saudi Arabia



Solution

- The bank's iconic 53-storey headquarters is a retrofit project from DALI LED to using state-of-the-art DALI-2 system powered by **over 200 sceneCOM evo DA2 controllers, over 3000 MSensor G3 SRC 30 PIR 5DPI, & around 1100 Touchpanel 8P DA2 monitoring and controlling around 25,000 DALI devices.** The LCS is integrated to Honeywell BMS. The building upgrade specifications were done in accordance with LEED and WELL Building standards.
- Supplier: NuLumenTek, AE / Smplr Solutions, AE; Consultant: KEO; End Client: Riyadh Bank, SA

The Address Downtown Hotel

Dubai, United Arab Emirates



Solution

- **8,580 meters LLE FLEX strips, 2,880 SLA ready2pply LED modules, 7,700 constant current LED Drivers, as well as 3,490 constant voltage LED Drivers** were installed all throughout the sprawling hotel's guest rooms.
- Supplier: Decolight Trading, AE;
End Client: Emaar Hospitality Group, AE

Jumeirah Beach Hotel

Dubai, United Arab Emirates



Solution

- **29,000 meters** of Tridonic **LLE FLEX tapes** were installed all throughout the sprawling hotel's guest rooms and corridors
- The highly-efficient FLEX tapes offer narrow colour tolerance, high colour rendering, and perfect homogeneity, and with a guarantee of 50,000 operational hours, maintenance is projected to be very minimal
- Supplier: IRL (Solas); End Client: Dubai Holding
- Read about the project [here](#).

Sofitel Dubai Jumeirah Beach

Dubai, United Arab Emirates



Solution

- _ basicDIM Wireless Technology: Straight-to-the-point wireless lighting control solution
- _ **700 units of bDW Bluetooth modules and LED Drivers** created 3 different **dimming scenes** via the 4remote BT App
- _ At least **50% energy savings** is estimated as a result of the lighting refurbishment
- _ Supplier/Lighting Design: Acumen Light, AE; End Client: Sofitel Dubai, AE

Equalbase Warehouse

Senai, Malaysia



Solution

- Stable wireless lighting is required, and after testing several possible providers, the choice finally fell on basicDIM **Wireless OTD module**. 380 basicDIM wireless OTD modules ensure a uniformly illuminated warehouse and a stable radio connection even over longer distances. The wireless solution also saves more than nine kilometers of cable. The control is done via the 4remote BT app. This enables facility managers to easily commission, adjust, and monitor the lighting system. The scalable lighting can thus be adapted to future needs and tenants.
- Supplier: Pascal Engineering, MY;
End Client: Equalbase Development Sdn Bhd, MY
- Read about the project [here](#).

Emirates Post Offices

United Arab Emirates



Solution

- Excellent quality of LED Modules with the highest efficacy in the market and **LED Drivers** with low THD Values, not to mention the cost-effectiveness and the 5-year guarantee. **50% energy savings** was achieved
- Supplier: Oslo Al Khaleej, AE; End Client: Emirates Post Group Company, AE

Lloret de Mar, Sitges, Tarragona, & Granollers Municipalities

Catalonia, Spain



Solution

- _ Conventional lamps replaced by LED powered by PRE **Outdoor LED drivers**; GridControl for adapting the brightness level using U6Me2 protocol to transmit signals via the mains; chronoSTEP function to adapt dimming level to dusk and dawn; lighting level adapting to different seasons and fluctuations in the number of visitors
- _ Supplier/Lighting Design: SECE, ES; End Client: Catalonia Region, ES
- _ Read about the project [here](#)

A hand is shown in profile, reaching towards the left. The background is a dark blue space filled with glowing light trails and bokeh effects. The light trails are composed of thin, parallel lines of light in shades of blue and purple, some of which are thicker and more prominent. The bokeh consists of out-of-focus circular spots of light in similar colors. The overall effect is one of dynamic energy and light management.

TRIDONIC

WE MANAGE LIGHT

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