



**OUTDOOR FLOOR COOLING SOLUTIONS**

## COMFORT COOLING CONCEPT – OUTDOOR APPLICATIONS

Incorporating a radiant cooling system in combination with other passive cooling techniques such as solar shading and wind protection in outdoor applications can help to reduce the peak operative temperature experienced by occupants by removing heat energy absorbed by construction materials throughout the day.

Passive cooling systems are unable to dehumidify or remove moisture from the air therefore local climatic conditions are the limiting factors during system operation in relation to minimum surface temperatures achievable.

Installation of the outdoor floor cooling system will increase the total space which can be utilized. For instance, OFC systems applied in restaurants will enable customers to sit outside comfortably in summer conditions. This will have a positive effect on the turnover for the owner.

Increasing the comfort factor for people and animals is the key to having a successful outdoor facility operation. This will result in increased productivity and maintain customer's satisfaction.

## AREAS OF APPLICATION



BUS STATIONS



ZOO/ANIMAL RESERVES



WATER PARKS



OUTDOOR SHOPPING  
WALKWAYS



SMOKING AREAS



SWIMMING POOLS



PATIOS



OUTDOOR RESTAURANT  
AREAS

# CZN BURAK RESTAURANT – FOUNTAIN VIEWS, DOWNTOWN DUBAI, UAE

## Project Data

F&B Outlet

540 m<sup>2</sup> of Uponor classic radiant underfloor cooling to outdoor seating area

Uponor Magna industrial manifolds

Adaptive water control based on space temperature & humidity

UFC + AHU – Outdoor application

Client: CZN Burak

MEP Consultant : Torontec Dubai

Completion: 2021



## URLA RESTAURANT - ADDRESS DOWNTOWN HOTEL, DUBAI, UAE



### Project Data

#### F&B Outlet

650 m<sup>2</sup> of Uponor classic radiant underfloor cooling to outdoor seating area

Uponor Magna industrial manifolds

Adaptive water control based on space temperature & humidity

UFC + AHU – Outdoor application

Client: Q Food & Beverage

MEP Consultant : Torontec Dubai

Completion: 2022

# **GAL RESTAURANT – ADDRESS DOWNTOWN HOTEL, DUBAI, UAE**

## **Project Data**

### **F&B Outlet**

**180 m<sup>2</sup> of Uponor classic radiant underfloor cooling to outdoor seating area**

**Uponor Magna industrial manifolds**

**Adaptive water control based on space temperature & humidity**

**UFC + AHU – Outdoor application**

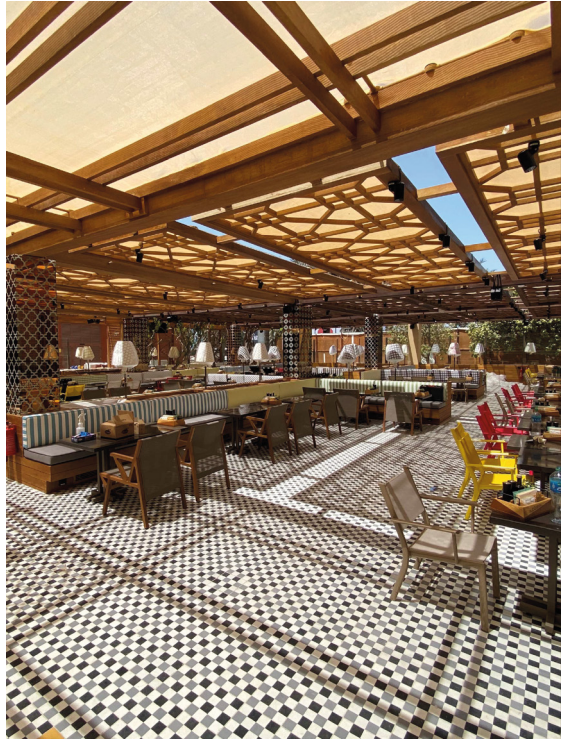
**Client: Q Food & Beverage**

**MEP Consultant : Torontec Dubai**

**Completion: 2020**



## HUQQABAZ RESTAURANT – MALL OF EMIRATES, DUBAI, UAE



### Project Data

F&B Outlet

350 m<sup>2</sup> of Uponor classic radiant UFC to outdoor seating area

Uponor Magna industrial manifolds

Adaptive water control based on space temperature & humidity

UFC + AHU – Outdoor application

Client: Q Food & Beverage

MEP Consultant : Torontec Dubai

Completion: 2021



## **Bin Dasmal Engineering Technologies & Management Co. LLC**

P.O. Box: 5389, Dubai, UAE.

Tel: +971 4 806 7676

Fax: +971 4 806 7677

Email: [info@betam.ae](mailto:info@betam.ae)

Web: [www.betam.ae](http://www.betam.ae)

