

KALBA ICE FACTORY

Sharjah, U.A.E

Building Type

Heritage building conversion to Cultural Complex

Size

5,000 m² on a 21,000 m² plot

Estimated Cost

Not Available

Project Highlights

- 41 L/S of chilled water
- 2,730 L/S of conditioned fresh air with energy recovery.
- Floor grills with displacement ventilation.
- 70 FCU's and 6 AHU's
- Ecology unit with odor neutralization

Architect / Client

- Kling Consult (AOR) / Sharjah Art Foundation
- 51-1 Arquitectos



This 70's built ice factory renovation retained existing structures and converted into a multi-faceted cultural complex for Kalba citizens to enjoy cultural celebrations, host public exhibitions, enjoy multi-media performances.

MA provided the complete MEP design & supervision of this iconic cultural center to make this a functional, commercially viable, sustainable and effective utilization of the character, nature and essence of the Factory which was retained by the Chilean Architect.

The large internal factory spaces, in the renovation, cooled by an underground duct system & floor level grills utilizing displacement ventilation techniques for cooling ~ ½ the volume.

A café with LPG, accommodation guest rooms for visiting artists with administration offices and artists workshop all provided with cooling & ventilation from central systems to meet Clients stringent requirements.

