

## CMA Tower, Capital Market Authority HQ - Riyadh, Saudi Arabia

The CMA tower is the crown jewel of the King Abdullah Financial District (KAJD), Riyadh and the tallest building in the capital.

Rising 385 meters above the surrounding city, the CMA Tower is the centerpiece of the financial plaza of the King Abdullah Financial District - the world's largest green building development. The iconic 80-story crystalline office tower symbolizes the beginning of a new era of global financial leadership within the Saudi capital. The tenants are central market authorities, stock of exchange, major banks and international rating companies.

The design solution of this intelligent, functional, and sustainable building is a subtle blend of conventional and well understood techniques combined with international best practice and cutting-edge technologies, merged with local expertise of construction techniques and methods for dealing with the harsh natural environment. The building is a class-A office skyscraper with anticipated LEED Gold certification. FlowCon is proud to be part of this.

### Building Description

Height: 385 meters (80 floors)  
 Size: 182.000 m<sup>2</sup>  
 Energy credentials: LEED Gold  
 Cooling capacity: Number of FCUs: 181  
 Number of AHUs: 265  
 Number of CRACs: 17  
 (Computer Room Air Condition)  
 3.500 tons of refrigeration.

### Application

FlowCon was the sole supplier of PICVs to the project securing maintained target  $\Delta T$  and reduced commissioning time. Due to FlowCon's dynamic and pressure independent solution no overflow through the PICVs, even at partial loads, were guaranteed and the LEED Gold status obtainable. Consult FlowCon to understand how FlowCon PICVs can contribute to green building certification.

### Project configurations

**Developer:** Al Ra'idah Investment Company

**Architect:** HOK / Omrana joint-venture

**Consultant:** Omrana

**Contractor:** Advanced Vision

**Project name:** CMA Tower, Riyadh

**Configuration of building:**

181 FCUs,  
 265 AHUs and  
 17 Critical Cooling

**Number of valves:**

500 valves

**Valve model:** FlowCon SM and  
 FlowCon Wafers

**Configuration:** By-Pass assemblies w. PICVs,  
 automatic balancing valves and  
 PICVs

**Types of application:**

New building

**Date of inauguration:**

2014.

**FlowCon**  
 international

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