

CASE STUDY



AL MOOSA SPECIALIST HOSPITAL

The North Tower Project

TYPE OF CONSTRUCTION:
Hospital

ARCHITECT:
HKS

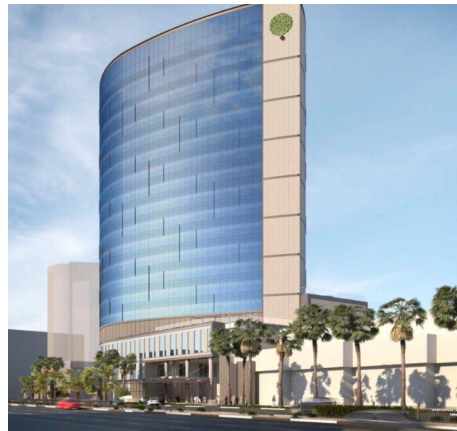
CONSULTANTS:
Ahmad Al Mousa Consulting Office

CONTRACTORS:
Masah Specialized Construction

AL MOOSA SPECIALIST HOSPITAL

Project Overview

Al Moosa Specialist Hospital, established in 1996 is the first private hospital in Al-Ahsa, Saudi Arabia, focusing on human-centered care.



As the largest hospital in the region, with highly qualified medical, technical and administrative staff using the latest equipment, it is trusted to keep pace with the needs of visitors from all regions of the Kingdom and neighboring Gulf.

The North Tower Project was responsible for delivering a 200 bed medical tower, consisting of 16 floors. It was designed by HKS to enhance the healing environment, providing a spacious lobby and relaxing colors to the patient, visitor and healthcare providers.

Challenges

One of the principal challenges facing contractors was the choice of piping in the structure. While the initial design specified copper, research suggested it was not the most health conscious choice for the tower's occupants. Copper piping is susceptible to leaching over time and the hazards of an increased level of copper in drinking water are many.

Why FlowGuard® CPVC?

Further research with the World Health Organization suggested CPVC would be a healthier alternative to copper piping. It was chosen for its less intensive labor requirements, as well as its obvious health advantages over copper.

FlowGuard CPVC's highly chlorinated pipe walls resist leaching in water distribution, even over decades. Its smooth surfaces prevent biofilm formation and the spread of subsequent bacterial threats.



“FlowGuard CPVC is easier to install and faster, compared to the huge headache installing copper systems. We as consultant engineers tend to specify the most convenient products, avoiding any percentage of problems and negative surprises, on top of its health advantage.”

- Eng. Mohamad Al Sheikh, mechanical supervision engineer from Ahmad Al Mousa Consulting Office



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