

Project: Development of King Abdul Aziz Endowment (DOKAAE)  
Year: 2008-2009  
City: Mekkah, Saudi Arabia  
Client: General Authority for the Holy Mosque

Contractor: Saudi Bin Ladin Group  
Consultant: Dar Al-Handasah  
Products: AFP Series ABS Submersible Sewage Pumps and ITT Vogel MP Pumps

## Introduction

The DOKAAE project is one of the world's largest mixed-use complexes overlooking the Holy Haram in Mekkah, Saudi Arabia. It consists of a large podium, topped by 7 towers of various heights that follow a grading pattern. These include 6 residential towers, a 5 star hotel, a convention centre, a shopping centre and car parks. A residential bay has been designed to maximise the direct view to the Haram, through the provision of triangular projecting bay windows.

A special chiller plant is installed for this landmark project, to provide chilled water to a centralised air conditioning system. Connected to the DOKAAE tower project by a 1 kilometre under ground tunnel, there are 5 pumping stations along the tunnel line, to avoid any water overflow that may occur.



## Products & Application

ARJ has supplied and installed 3 sets of AFP series ABS submersible sewage pumps, for the chiller plant culvert and also MP series ITT Vogel horizontal multistage pump sets of 2 pumps each in model, power rated 45kW - 160KW, for clean water pumping.



First in Pumping Systems for Water Technology