MIDTHERM Engineering Limited

CASE STUDY

A collection of projects completed by Midtherm Engineering in the Middle East

Midtherm Engineering carry out flue designs, supply and mechanical installations throughout the UK and overseas. During our 35+ years of trading we have completed a multitude of installations in the Middle East, often the projects involve our engineers travelling to site at the design stage followed by the generation of technical solutions incorporating structural, mechanical and fluid dynamic resolutions for what are often incredibly diverse requirements.

We then follow up by offering our clients ISO 45001 Health and Safety accredited installation supervision. Health and safety remains our top priority wherever we operate, globally.

Here is a small collection of the projects we have carried out over recent years.

> **“The Hamad Medical City Project was incredibly constrained spatially, as the only route from the ground floor was the main traffic thoroughfare to the energy center itself.”**
>
> John Walsh,
> Managing Director
> Midtherm Engineering Ltd

CASE STUDY

Burj Khalifa Tower, Dubai

Construction of the Burj Khalifa Tower began in 2004, and was officially opened in 2010. Standing at a phenomenal height of over 828m, it currently holds 7 world records including the world records for the tallest building and free standing structure.

As one of the most iconic buildings in the world Midtherm Engineering are proud to have designed, supplied, delivered and supervised the installation of the specialist flue systems within the buildings 6No major plantrooms.

Each plantrooms flue system varies in complexity and all serve a diverse range of plant including steam and condensing boilers, some of which incorporate fan assistance.

The 828m High, Burj Khalifa Tower

Al Bandary Hotel, Doha

Located in Doha the Al Bandary Hotel offers a multitude of services that guarantee to ensure your stay there is unforgettable. The Hotel offers direct access to the beach, an onsite Spa and Gym.

Midtherm were contacted in 2015 to assist with the supply and design of a new flue system serving 2No 627kW Steam Boilers, we were on site to provide our client with a full service including packaging, containerisation, consular work and Letter of Credit documentation control, together with shipping. to Doha port.

The flue system consisted of a 300mm diameter common header, inclusive of 50mm thick insulation, that had a total horizontal length of 17m, and would rise 8.25m, to discharge 3m above roof level.

CASE STUDY

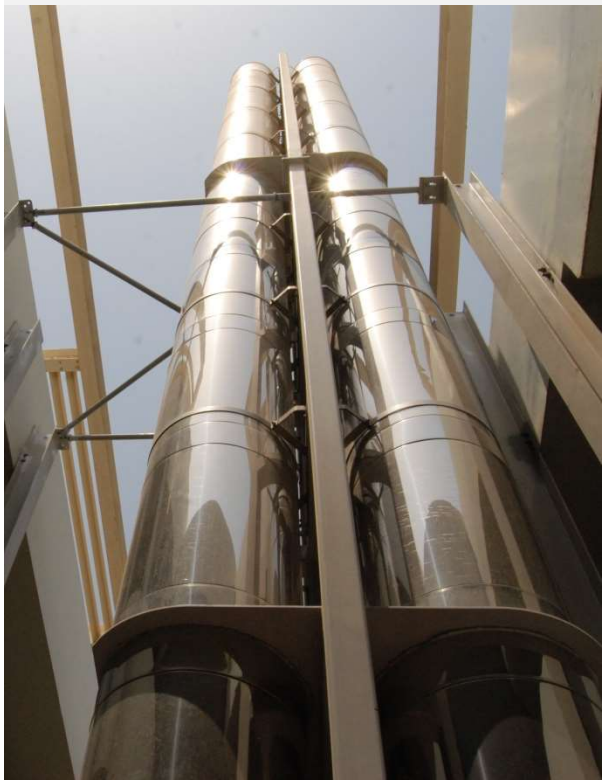
Hamad Bin Khalifa Medical City, Qatar

The Hamad Bin Khalifa Medical City was commissioned by the Hamad Medical Corporation and was set to be one of the world's largest healthcare developments in existence. The Hamad Medical Corporation is one of the leading hospital providers in the Middle East and the main provider of secondary and tertiary healthcare in Qatar.

In 2013 Midtherm Engineering were brought on board to develop solutions for what seemed an intractable problem of space and function at the time. Ultimately we solved and supplied, with our on site supervision, the flue systems for the 4No Steam Boilers , these boilers would be used to supply the 3 tower buildings: the Ambulatory Care Centre, Qatar Rehabilitation Institute and the Women's Wellness and Research Centre with hot water.

The project included design, supply and installation of over 100m of 600mm diameter twin wall, 50mm thick, insulated flue and a 15m high cruciform steel support/mast structure required to support the flues that rose from the basement plantroom to discharge 5.5m above car park level.

Our Cruciform Steel Support Mast and Flue System at rising through Car Park Levels.



CONTACT

Midtherm Engineering Ltd

ADDRESS

Midtherm Engineering Ltd
28 New Rd
Dudley
England
UK
DY2 8TA

TELEPHONE NUMBER

01384 455811

EMAIL ADDRESS

sales@mideng.net

WEBSITE

https://www.mideng.net/