

CASE STUDY

DIAQUIP DQ5 DIAMOND WIRE



OVERVIEW

The Company:	Concrete Surgeons
Project:	Diamond Sawing Stanchions
Location:	Egypt / UAE
Employees:	40
Industry:	Diamond Drilling & Sawing
Customers for:	<1 year
Website:	csmisr.com /about_us.php

Diamond Wire Cutting for Concrete Surgeons, Egypt

Concrete Surgeons (Al Rayah) have been operating since 2007. They are considered as the only specialised company in UAE in both strengthening & repairing as well as wire cutting & core drilling.

Concrete Surgeons provide qualified engineers to give technical assistance and solutions during site execution.

They are specialised in Concrete and Steel structures, and have finished many successful projects in this field across Egypt and the UAE.

THE CHALLENGE

Concrete Surgeons were working on a 12 week building renovation project in Egypt as a specialist Diamond Wire Sawing contractors. The project included:

Cutting up to 60 square meters of reinforced concrete stanchions 5 metres apart. The Wire Saw being used was a Hilti WS30 running at 22m per second.

To saw cut and remove the existing concrete foundations.

The project called for a wet diamond wire saw solution that would reduce the amount of time it took to cut the foundations down, but with low vibration, dust and noise due to the surrounding populated homes. We used the 20 meter to cut 20 square meter



THE SOLUTION

Diaquip needed to provide a fast, long-lasting and cost effective Diamond Wire.

It was essential that the wire performed well on reinforced concrete (including 20mm steel rebar). The Diaquip DQ5 diamond wire was chosen for the project as it is constructed using a totally new method, called Fusion Tech which gives DQ5 much better speed and life advantages. Can be used effectively on virtually all concrete types including highly reinforced concrete or concrete with exposed steel.

THE RESULT

DQ5 Diamond wire can cut quickly, even when using lower wire sawing machine speeds.

This wire has been developed using 'Fusion Technology' innovation, which has proved to be a game changer in the diamond wire sawing industry standards. Concrete Surgeons received very positive feedback from its wire saw operators, Diaquip's DQ5 diamond wire helped to reduce the wire sawing project time down both with excellent life and speed of the wire.

"We found that the Diaquip DQ5 Diamond Wire did live up to its claims of being the best diamond wire on the market. Having used it we found it to be really excellent quality, which is very fast cutting and lasts much longer."

Khalid Allam, General Manager – Concrete Surgeons.