

CASE STUDY

DIAQUIP DQ5 DIAMOND WIRE



YAMMINE CONTRACTING COMPANY

OVERVIEW

The Company:	Yammine Contracting
Project:	Diamond Wire Sawing
Location:	Qatar
Employees:	100+
Industry:	Diamond Drilling / Sawing
Customers for:	2 years
Website:	www.yamminecontracting.com

DQ5 Diamond Wire Project - Yammine Contracting Company

YCC was established in 2001 in UAE as a leading contractor and specialist of diamond concrete coring & cutting.

As a result of its growth, YCC expanded their activities and services to other Middle East countries Qatar, Saudi Arabia, Bahrain, Jordan, Lebanon & Oman.

Their work is carried out by a team of qualified professionals, well trained and certified technicians who can operate the latest high-tech machines.

THE CHALLENGE

YCC were commissioned for a 30 week building renovation project in Qatar as the leading Diamond Wire Sawing and Drilling contractors. The project included:

40 x 3m x 3m reinforced concrete foundations with C40 Newton concrete strength, containing 180pcs 20mm rebar spaced 15cm apart. The Wire Saw being used was a Hilti WS15 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.



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. Yammine Contracting company have excellent feedback from its wire saw operators, they were able to complete the project 2 days earlier than planned due to the speed of the wire sawing. Diaquip's DQ5 diamond wire helped to keep the wire sawing time down both with excellent speed and life of the wire.

"Fantastically fast Diamond Wire. Our contractors were able to finish 2 days earlier on the project due to the performance of the DQ5. We are very impressed with the speed, durability and cutting performance."

Bashar Salebah, Yammine Contracting Company.