

CASE STUDY

DIGISHOT REMOTE FIRING WITH NO DELAYS

BACKGROUND

REDUCED DELAYS AND IMPROVED COMMUNICATIONS FOR REMOTE FIRING WITH THE RANGER

One customer that uses the Remote Firing option with our DigiShot 300 system has experienced troubles over the years with interference from foreign communication sources and with the dependability of the antennas.

The antennas for the system can be difficult to store without the cords being pulled out and are occasionally mishandled, creating loose connectivity. Interfering signals from drones, radios, or other devices in the area sometimes cause lost communications for the DigiShot 300 system, which can result in a delay at shot time.



PROJECT GOALS

ENHANCING THE REMOTE FIRING OPTION FOR THE DIGISHOT SYSTEM

While using the DS 300, this customer's clients were known to be standing by with their fingers crossed, hoping they could get the shot initiated without encountering interference when creating a delay. At certain locations, there was a low success rate having enough comms at shot time to initiate.

The goal for this project was to provide this client and his customers with a solution to their issues with interference at shot time, as well as their challenges with the antennas.



TECHNOLOGY APPLIED

A RUGGED AND RELIABLE BLAST INITIATION

The Ranger was the perfect solution for this customer. It's a blast initiation system with a built-in antenna boasting a long-range RF of up to 3 km or 1.8 miles, reducing communication issues and delays. With flexible tagging options, automatic detonator detection, and quick and easy deployment, the Ranger is a reliable initiation system designed with safety and performance in mind.

VALUE ADDED

INCREASED SAFETY WITH ON-TIME REMOTE FIRING AND EFFECTIVE DEVICE COMMUNICATIONS

Since converting to the Ranger, the customer's clients are now confident that their shot will be initiated on time. They're also better able to follow the recommended safety standards instilled by Dyno Nobel and no longer need to look around to see if they forgot to move something that causes interference or change their location to another area.

Our customer still uses the DigiShot 300 system reliably, but at the time of this writing, they have converted two of their users over to Ranger and look forward to converting more. The Ranger has not only proven to be reliable at shot time, but makes it easier to tag and prepare for blasting in multiple operations.

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