



SOCIAL RESPONSIBILITY

WIRELESS BLASTING PUTS YOU IN CONTROL

WebGen™ wireless initiating systems eliminate downlines, surface connectors, signal tube and wires in blasting. The industry changing technology is enabling new mining methods and blasting techniques.

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WebGen™
Wireless Electronic Blasting Systems



In surface mining WebGen™ reduces the complexity of mining when blasting in sensitive areas or close to communities.



Firing on demand



Secure when loaded



Dust and flyrock suppression



Lightning risk reduction



FIRING ON DEMAND

- WebGen™ provides flexibility to maintain sleeping shots without impacting productivity the way conventional initiating systems do.
- With no physical connection required to communicate or initiate the blast, WebGen™ eliminates the need to “tie in” a blast prior to firing.
- Reduce the number of blasting events by merging multiple WebGen™ blasts and firing in one event.
- Blast when environmental conditions are favorable.

SECURE WHEN LOADED

- There are no in hole or surface wires, this ensures product is secure in blasthole once loaded.

FLYROCK AND DUST SUPPRESSION

- Apply an extra layer of material such as clay, steel or rubber mesh, as an additional mitigation measure.
- Irrigation through water trucks driving over loaded blast patterns can aid in dust suppression.

LIGHTNING RISK REDUCTION

- In a lightning event, the temperature and pressure effects of lightning are rapidly attenuated by the earth.
- >3 metres below the collar of a blasthole, WebGen™ units are protected from the hazards of lightning.

WEBGEN™ INITIATES GROUPS OF BLASTHOLES WIRELESSLY USING COMMUNICATION THROUGH ROCK, AIR AND WATER.

Using low frequency magnetic signals to communicate with each WebGen™ primer, the system includes an i-kon™ W plugin detonator, a Pentex™ W booster and a digital receiver comprising a multi-directional antenna and a battery.

To learn more, please contact your local Orica representative, or visit orica.com/wireless

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