



WIRELESS BLASTING  
REDUCES DELAYS CAUSED  
BY THUNDERSTORMS

WEBGEN™  
WIRELESS  
INITIATING  
SYSTEM

# LIGHTNING RISK REDUCTION

## ELIMINATE THE RISK OF UNPLANNED INITIATION

WebGen™ eliminates downlines, signal tube and wires in blasting. Eliminate or significantly reduce delays caused by thunderstorms. Gain extra production time usually lost during storm season.

[orica.com/wireless](http://orica.com/wireless)

**WebGen™ 200**



# WebGen™ can eliminate the need for exclusion zones around loaded blastholes during thunderstorms.

Once all unused explosive components are off the bench, mining operations continue around the loaded blast pattern. Production delays from storms are eliminated.



Approaching storms result in lightning exclusion zones around loaded blast holes



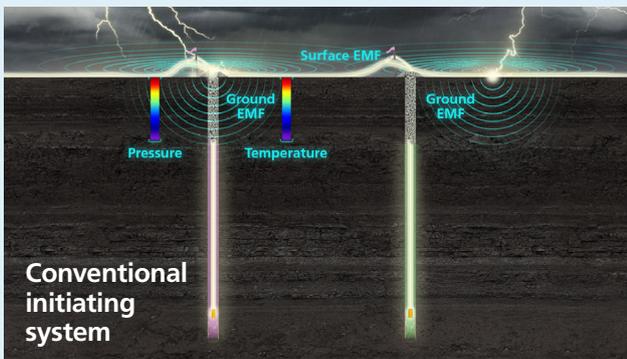
WebGen™ eliminates the need for a lightning exclusion zone.

Conventional initiating systems demand a lightning exclusion zone during storms.

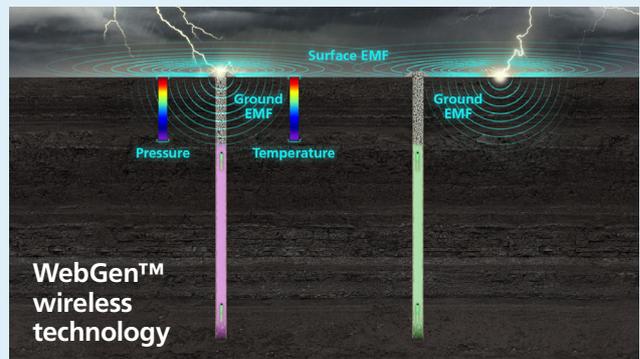


WebGen™ initiates groups of blastholes wirelessly using communication through rock, air and water. This eliminates the need for surface connecting wires, enabling new mining methods and blasting techniques that are safe and reliable - removing people from harm's way, reducing operating costs, and at the same time increasing productivity benefits.

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.



Wires and signal tubes in conventional initiating systems increase the likelihood of unplanned initiation during lightning storms.



WebGen™ wireless blasting can eliminate the risk of unplanned initiation.

3 metres below the collar of a blast hole, WebGen™ units are protected from the hazards of lightning. In a lightning event, the temperature and pressure effects of lightning are rapidly attenuated by the earth. The absence of lead wires prevents current transfer. Additionally, the magnetic field induced by lightning will not carry the correct digital code to activate a WebGen™ unit for firing.

To learn more, please contact your local Orica representative, or visit [orica.com/wireless](http://orica.com/wireless)

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