



**RIOBLAST** - Blast Design and Simulation Software – is MAXAM's in-house blasting software that can be customized to address specific customer needs. As part of its standard structure, customers can customize their needs by adding other tools and modules to the software in order to better fit its requirements.

APPLICATIONS

✕	Open pit
✕	Special applications
✕	Underground
✕	Quarry and Civil Construction

BENEFITS

MAXAM supports the development of standard and customized blast design with **RIOBLAST software**.

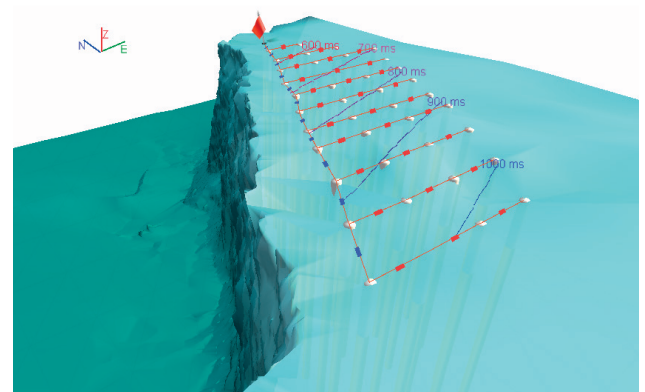
- ✕ Powerful and user-friendly 3D Blast Design and Simulation software.
- ✕ Simulate your blast before doing it in order to reach the perfect blast design.
- ✕ Professional reporting and control of information.
- ✕ Georeferential maps to better evaluate neighborhood access, structures and others.
- ✕ Communication with MAXAM MMUs (Mobile Manufacturing Units) for accuracy planned and real charging operations.
- ✕ Possibility to read face profiling data.
- ✕ Adding value to your project by providing better blast energy management.
- ✕ Possibility of software customization in order to attend cust.

STANDARD MODULE

The basic **RIOBLAST software** includes:

- ✕ Project and Blast Management.
- ✕ Terrain/Bench Management.
- ✕ Blast Design and Simulation.
- ✕ Basic Electronic trimming design.
- ✕ Expected Fragmentation Distribution Curve.
- ✕ Basic Ground Vibration.
- ✕ Clearance Zone (flyrock).

All simulation related to vibration and clearance zones are linked to georeferential maps in order to better evaluate neighbourhood impacts.



TAP – Technical Application Department

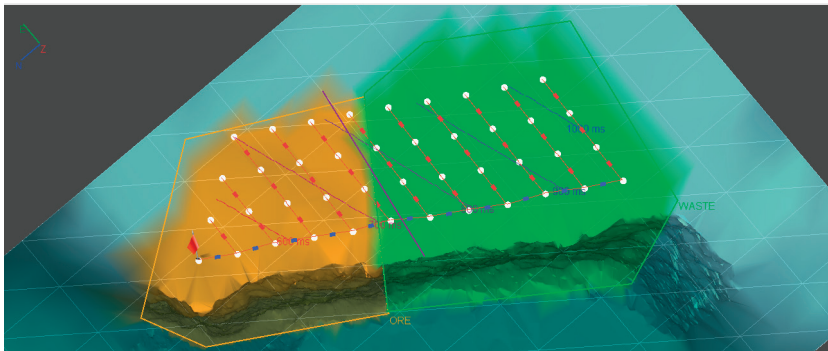
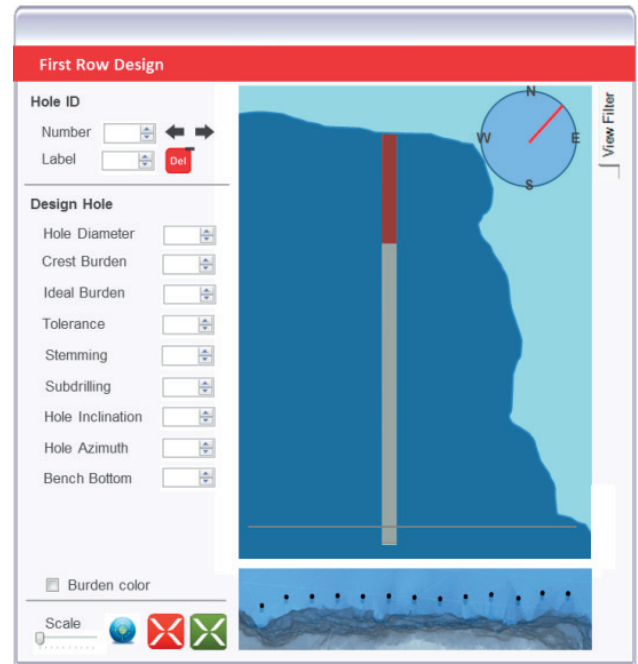


## METHODOLOGY

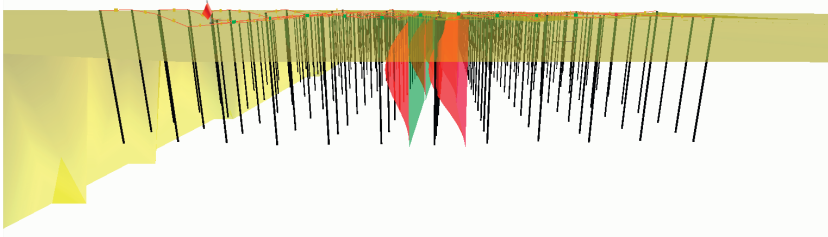
The RIOBLAST customized package can include, but is not limited to:

- ✗ Advanced Vibration Module (attenuation law analysis and signature hole analysis).
- ✗ Dilution Module.
- ✗ Heave movement.
- ✗ Energy distribution.
- ✗ Customized Reports and Data.
- ✗ KPI Management Software.
- ✗ Others under petition.

Call to explore how MAXAM Blasting Solutions can help you add value to your project by customizing our RIOBLAST: Blast Design and Simulation Software, reducing costs and increasing transparency.



Ore and Waste Dilution control by energy, timing and heave simulation.



Internal movement.

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