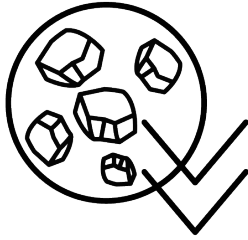


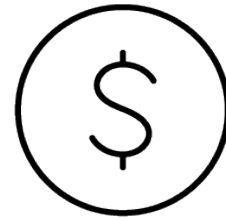
# Introducing HxGN MineMeasure



# Two challenges



**Declining ore grades –**  
mines are digging more  
earth for less ore



**Drill & blast workflow is complex**  
errors at any stage compound with  
costly consequences

## One unique solution

“Drill to Mill,” “Pit to Plant” and “Mine to Market” are deceptively simple descriptions for a complex, multi-layered process. Drill and blast is arguably the first and most important step to get right in the mining cycle. Without a holistic, systematic approach built on accuracy and precision for continuous improvement, it can also be the hardest and costliest.



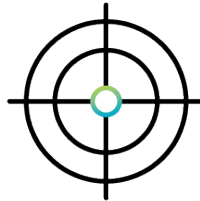
# Introducing HxGN MineMeasure

HxGN MineMeasure tailors proven software and hardware solutions with technical expertise to measure and improve your resource extraction process. MineMeasure drives excellence, focusing on the incremental improvements needed for elite performance, digitizing data for the mechanical delivery of high-value ore before further processing to maximize yield: analysis and efficiency at each step via a tailored feedback loop to ensure continuous improvement.

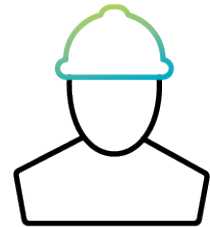
## Hexagon's uniquely holistic approach to drill and blast includes:



**Blast design** blast pattern design software incorporates geology properties from the block model



**Drill & blast execution** machine guidance ensures high-precision drills effectively execute the blast plan



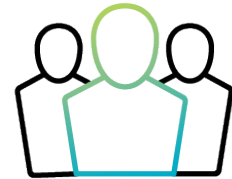
**Drill & blast safety** slope and vibration monitoring ensures safety



**Blast monitoring** blast movement sensors and software accurately track the blast, minimizing loss and dilution

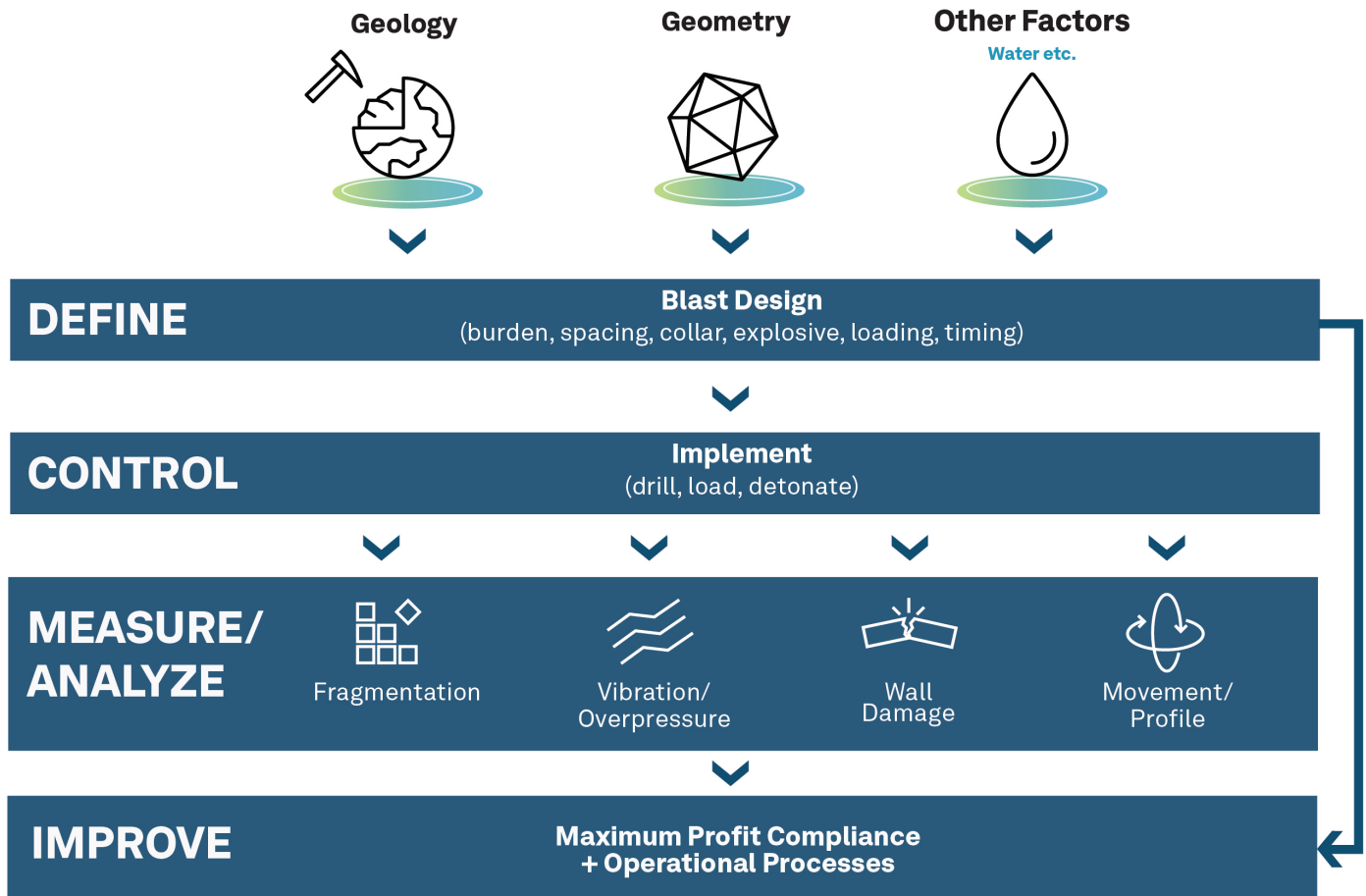


**Blast optimization** advanced image-analysis techniques ensure fragmentation is managed and optimized



**Consultative feedback loop** continuous feedback loop overseen by consultative technical experts

# Maximize profit from every blast by minimizing loss and dilution and increasing ore yield – 1% at a time.



Adapted from the ISEE Blasters Handbook 18th Edition (Fig 32.1 – Blast Design Process)

MineMeasure is the only solution accompanied by consultative technical expertise that offers a tailored, technologically-driven approach to drill and blast.

Every step of the ore extraction journey from planning through to mill/plant delivery is scrutinized by a dedicated system to analyze and track with transparency.

Real-time insight into operations empowers management to measure and improve processes. It also opens the door to integration with Hexagon’s world-leading positioning intelligence solutions for safety and automation.

Greater collaboration between teams, insight into costs and opportunities to increase ore recovery accompany every loop of a solution as unique as your mine.

MineMeasure ensures data does its best work.

# Each blast smarter than the last



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# About Hexagon

Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Mining division solves surface and underground mine challenges with proven technologies for planning, operations and safety.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 4.6bn. Learn more at [hexagon.com](https://hexagon.com) and follow us @HexagonAB.

Visit us at [hexagonmining.com](https://hexagonmining.com)

