



## Collaborative Solutions

### Achieve Optimal Results

The typical mining environment runs on dozens of user-managed databases. None of which are connected to the other. To “share” information, users must manually extract information from one database and feed it into another. Consequently, information management procedures, when they are even possible, are manual, time-consuming and error prone as personnel must review the same information over and over again.

A Gemcom GEMS™ solution ensures that the decisions you make are based only on data that is correct and up to date. It does this by:

- Replacing standalone user systems and databases with a single information repository.
- Providing over 50 integrated applications and components.
- Removing barriers between departments by establishing collaborative workflows.
- Ensuring that critical data is no longer delayed.
- Sharing information with third-party systems such as fleet management systems.
- Providing immediate feedback loops and key performance indicators allowing you to consistently meet planned results.

### Why You Can Depend on GEMS

Unlike other platforms, GEMS is a real collaborative platform that has been designed to be used by interdependent mine departments including Geology, Survey, Grade Control and Production that need timely access to one another’s information.

Working closely with some of the world’s leading mining companies, GEMS has been developed and rigorously tested to ensure that it provides reliable support for production environments.

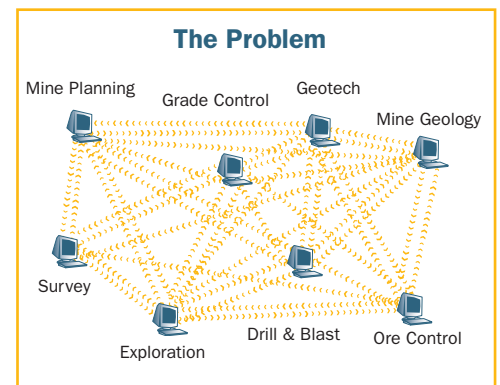
GEMS improves access to information:

- Short-term planners have access to the latest block models, allowing them to efficiently deploy their resources in achieving production targets.
- Strategic Planners have access to mine plans, models and all the other information they need to maximise NPV.
- Blast Engineers have access to the information they need to minimize dilution rates.
- Machine guidance systems receive continuously updated information.

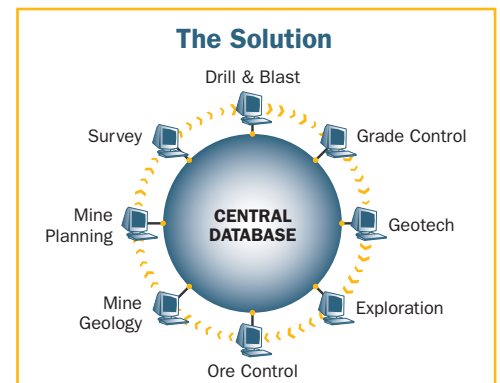
Gemcom GEMS – Collaborative geology and mine planning supporting cross-functional teams.

### IT Benefits

- Cost effective data management and backup.
- Gemcom and Microsoft service and support is available worldwide.
- Interoperability with best - of - breed applications.



Multiple sources of questionable information.



Single source of trusted information.

## A Solution Tailored to Your Operation

Making sure that you have the right information requires more than the best technology in the world, it requires a thorough understanding of how your mine works. To ensure that you receive a GEMS solution that is right for your needs, Gemcom follows a proven implementation methodology that includes:

*Scoping Study* – Working in partnership with mine stakeholders, Gemcom’s mining and IT experts identify all the critical information that drives the operation.

*Workflow and Dataflow Optimisation* – Best practice workflows and dataflows are modelled and a database schema is designed to support information requirements now and in the future.

*Implementation* – Training and change management programs ensure that your staff is ready to begin using the system effectively from the moment it goes live.

## GEMS Implementations Improve How You Work

A GEMS system implementation will significantly improve how your organisation operates as multiple sources of questionable information are replaced with a single source of trusted information. Mines powered by multiple desktop systems will see manual data transfers virtually eliminated and the number of data objects significantly reduced.

The information stored in GEMS central repository is entirely configurable and extendable: Drillholes, surface and solid models, survey maps, block models and geotechnical data can all be stored within the same database as can any other information you utilize today and in the future.

How GEMS helps you improve decision making:

- Critical production data is no longer delayed.
- All the data you utilise is correct and up to date.
- Immediate feedback loops and key performance indicators allow you to consistently meet planned results.

## Data Management

There is a simple truth about desktop databases – they are excellent single-user platforms. Whether you are working in the field logging drillholes or generating a simple geological model, you have an effective platform to work with. However, if you are working with complex information, the data you generate can rapidly outgrow the database engine that drives these systems. System crashes, data corruption and accidental deletion are just a few of the challenges such systems pose for your operation.

## Mine Production Management Applications

Developed to provide support for production environments, GEMS systems give you access to a growing range of exclusive applications and components including:

*GEMS Production Scheduler* – Powered by MineMAX™, this Gantt-chart-based scheduler provides a common platform for a broad range of mine scheduling tasks.

*Tunnel Object* – GEMS Tunnel Object automates much of the tunnel design process.

**For more information email [gems@gemcomsoftware.com](mailto:gems@gemcomsoftware.com)**

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