

CASE STUDY



FUGRO GEODIN MINING SOLUTIONS

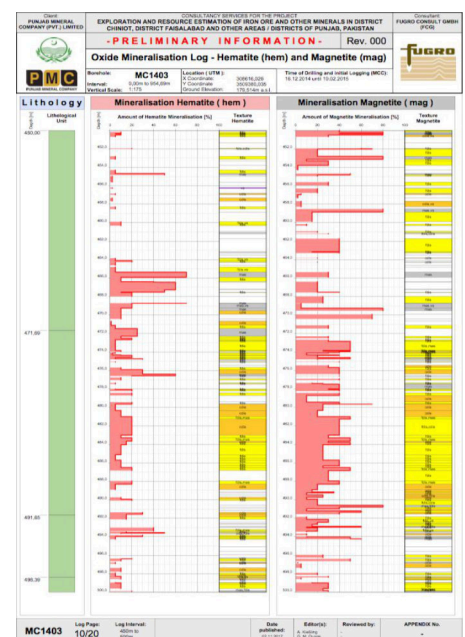
GeoDin data management software is used by geologists, engineers, environmentalists, consultants and planners for collecting, monitoring, analysing, reporting & visualising data. GeoDin is available in eight languages, with online and onsite training available worldwide.

DATA MANAGEMENT

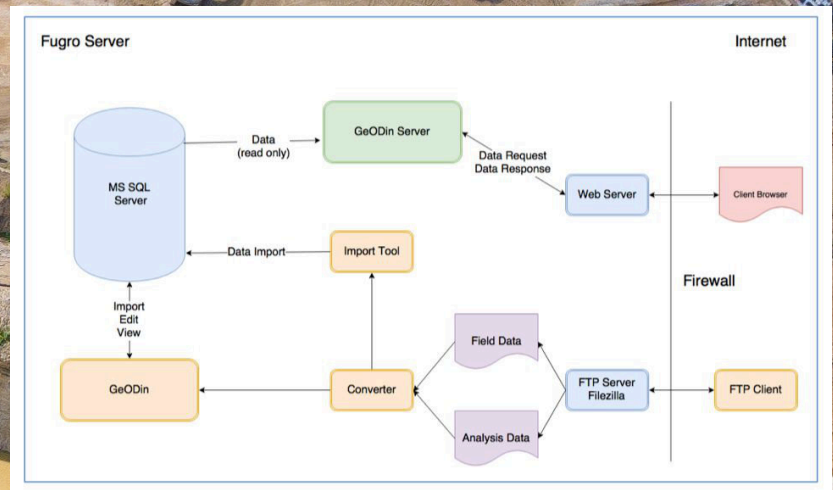
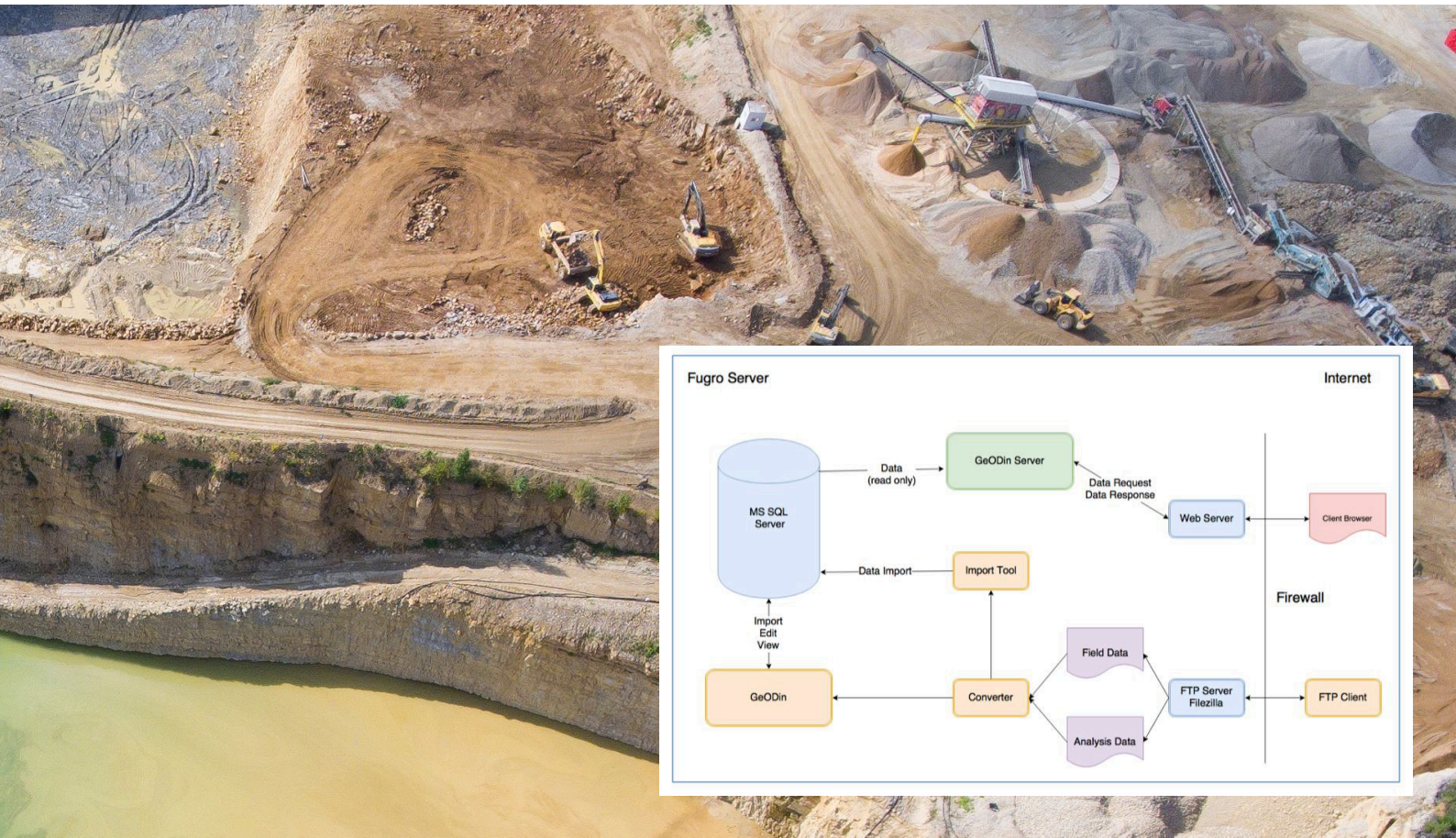
GeoDin can be specially customised to provide a data management and web information system for mining projects. A wide range of geoinformation can be stored in structured databases including site, borehole, groundwater, well design and sample data. Additional information can encompass chemical analyses, core photos, geophysical tests, as well as geostructural & stratigraphic information. Fugro works closely with clients to ensure that the most appropriate data model is used to meet their data management challenges.

STANDARDS & FORMATS

GeoDin supports many national and international geological and geotechnical data exchange formats and standards. Data is stored in leading commercial databases such as Oracle, Microsoft Access / SQL-Server, as well as open source alternatives PostgreSQL and MySQL. International standards include AGS, ASTM, BS 5930, EN ISO 22475, CoalLog, GOST and NEN. GeoDin includes an embedded GIS, interfaces with ArcGIS and QGIS and integrates with modelling software such as Surpac, MineScope and Leapfrog.



GeoDin mineralisation log



INFORMATION SYSTEM

Geoinformation stored in a GeoDin database, can be displayed on the internet as a web portal. This enables users without a GeoDin licence to navigate between maps, borehole profiles, measurement graphics and reports in their web browser.

The IT infrastructure including web servers can be hosted by Fugro as part of the worldwide company network. This allows web access by external clients and from within Fugro; security is provided by a firewall and authenticated access.

On the website a traffic light system can be used to observe specified key parameters, measure work progress and perform status classification. Automatic field to web data transmission can be implemented as requested by the client.

TECHNICAL DETAILS

The recommended system requirements are PCs with Windows operating system from Windows 10 (64-bit) with 4 GB RAM and a display resolution of 1920 x 1080 px. GeoDin may also be run from a Windows Server 2016 or higher as well as Citrix. Previous Windows operating systems and RAM configurations may work, but these are not supported. When working with client/server databases the appropriate database drivers must also be installed.

GeoDin can be used as a stand-alone program or integrated in a multi-user network. Integrated contextual help is provided in English and German.

GeoDin is designed, programmed and distributed exclusively by Fugro. Visit info.geodin.com or geodin.com for further information.