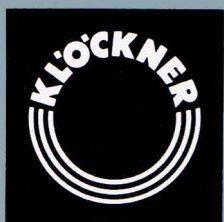
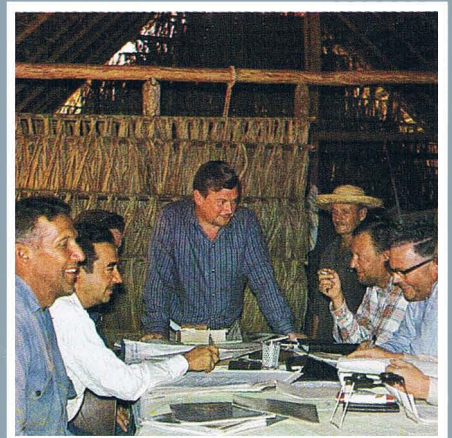
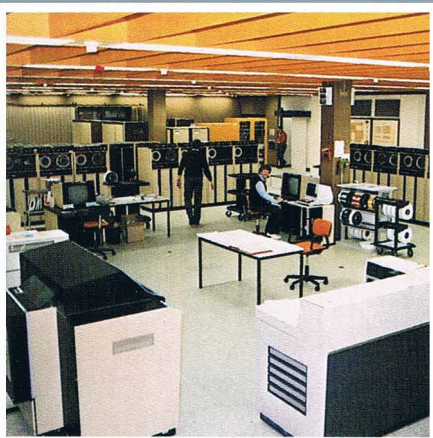
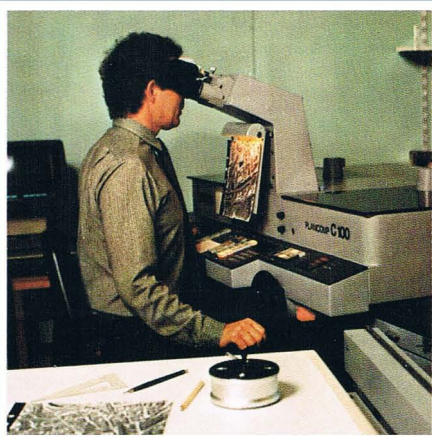
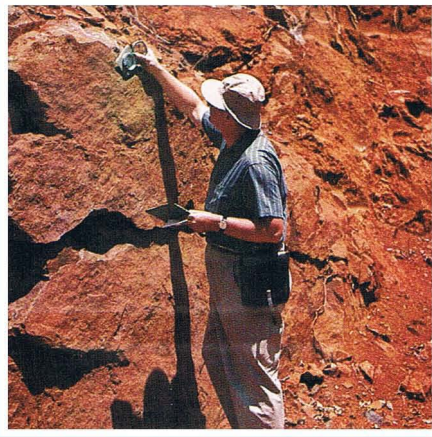


# MINERAL EXPLORATION

## THE COMPREHENSIVE RANGE OF SERVICES



**Hansa Luftbild**  
German Air Surveys

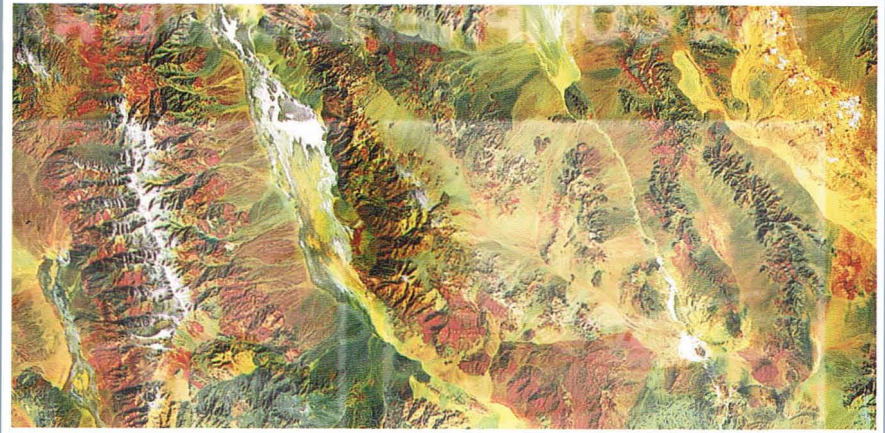




Prakla-Seismos, Hansa Luftbild, and Klöckner Industrie-Anlagen, have worldwide experience in geoscientific surveys. This group offers the complete package of services necessary to investigate and evaluate mineral deposits. In close cooperation with the client the service requirements will be established according to project needs. The results may – if required – be supplemented by feasibility studies including market surveys and economic evaluations.

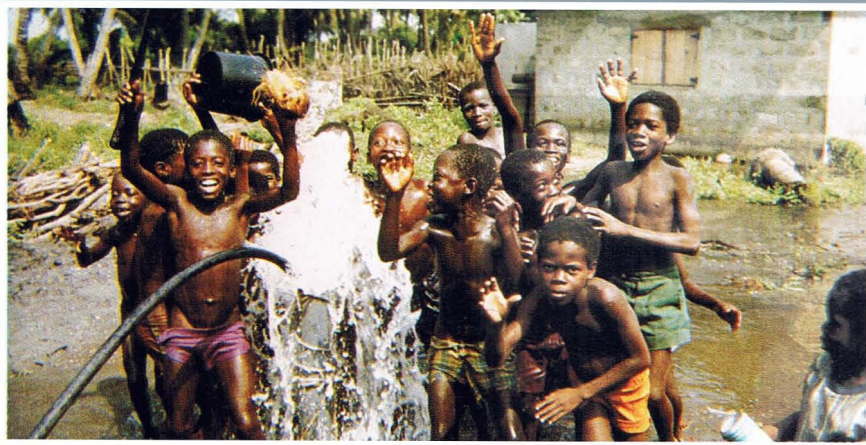
### Surveying and Remote Sensing

- satellite image processing
- aerial photography – panchromatic, colour, false colour
- multi-spectral and thermal scanner data acquisition
- photogrammetry
- interpretation and structural analysis
- orthophoto-, topographic- and thematic-mapping
- satellite positioning



### Field Geology

- regional reconnaissance
- mapping and prospecting
- detailed studies
- geochemical surveys
- exploration, drilling, trenching
- sampling
- site investigations



### Hydrogeology

- reservoir investigation
- well drilling and construction
- sampling and analysis

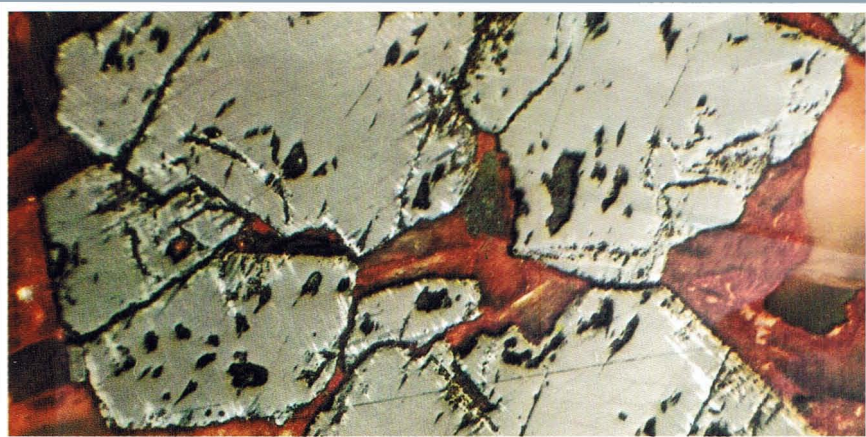


### Geophysics

onshore, offshore, airborne

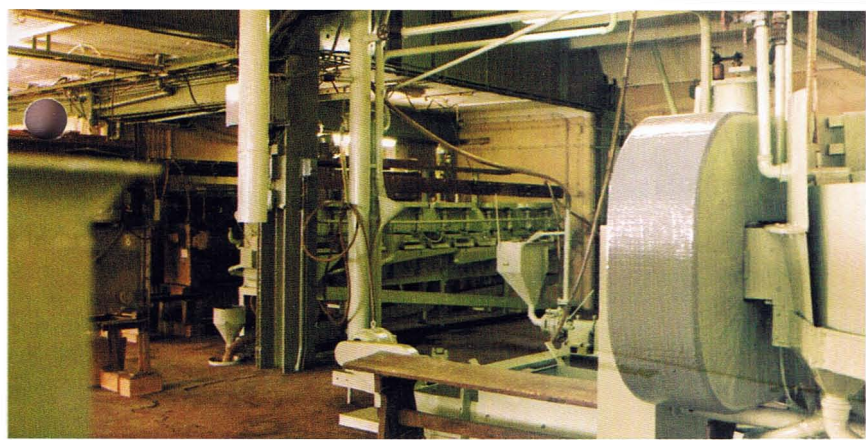
- deep, shallow, and well seismics
- well logging, cavity surveys
- geomagnetics
- geoelectrics
- gravity surveys
- digital data processing
- data interpretation





### Mineralogy

- structure analysis
- mineral composition
- physical and chemical analysis

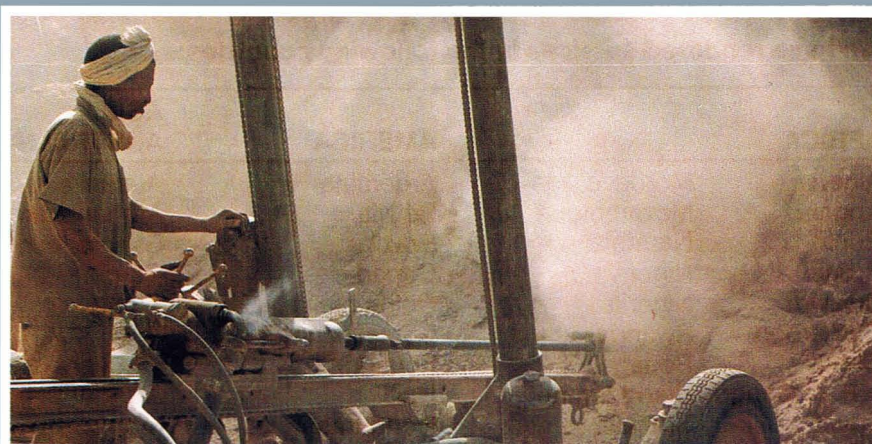


### Mineral dressing and beneficiation

- raw material examination
- laboratory, bench and pilot plant tests
- sizing, gravity, flotation, heavy media, electro magnetic separation; leach test
- flow sheet development and optimization

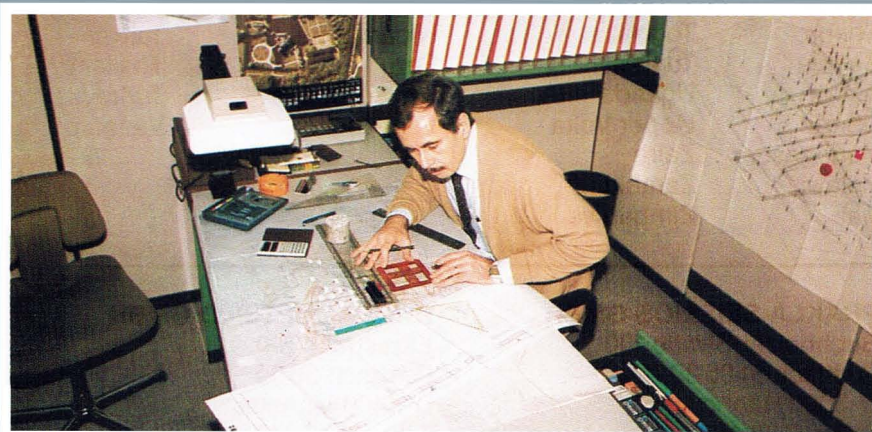
### Mining

- trial mining
- selection of method
- planning for underground projects
- open-cast projects

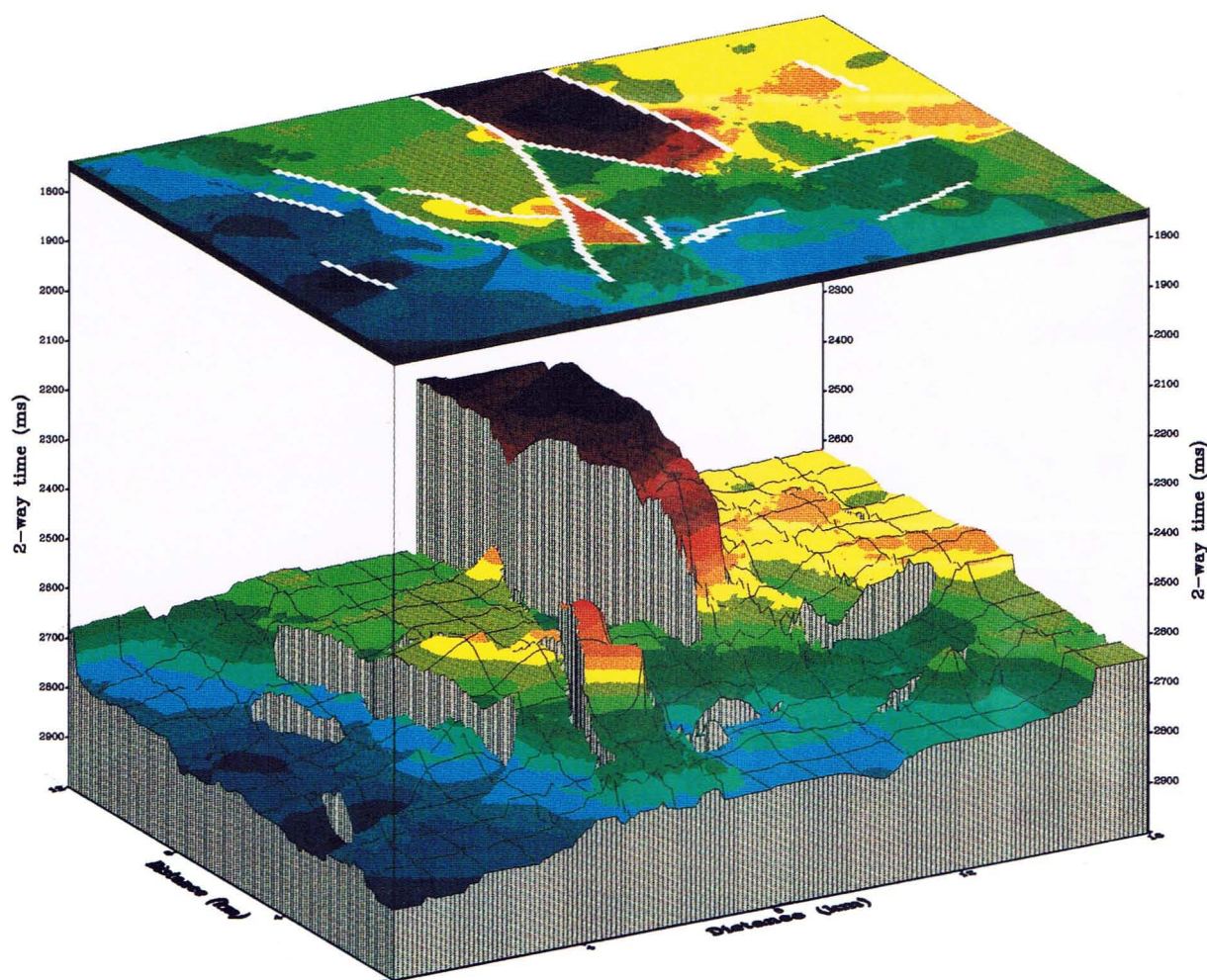


### Evaluation of exploration results

- calculation of reserves
- evaluation of resources







**We have rendered services in the following countries:**

<b>AFRICA</b>		<b>AMERICA</b>	<b>ASIA/ AUSTRALIA</b>	<b>EUROPE</b>	<b>MIDDLE EAST</b>
Algeria	Morocco	Argentina	Australia	Austria	Abu Dhabi
Angola	Mozambique	Bolivia	Afghanistan	Belgium	Bahrain
Benin	Namibia	Brazil	Bangladesh	Denmark	Dubai
Brunei	Niger	Canada	Burma	Finland	Iran
Burundi	Nigeria	Colombia	China	France	Iraq
Cameroon	Rwanda	Dominican Republic	India	F.R. Germany	Jordan
Chad	Senegal	Ecuador	Indonesia	Greece	Kuwait
P.R. of Congo	Sierra Leone	Haiti	Japan	Hungary	Lebanon
Egypt	Somalia	Honduras	Malaysia	Italy	Libya
Ethiopia	Swaziland	Jamaica	Nepal	Luxemburg	Oman
Gabon	Tanzania	Mexico	Philippines	Netherlands	Quatar
Ghana	Togo	Nicaragua	Taiwan	Portugal	Saudi Arabia
Guinea	Tunisia	Peru	Thailand	Spain	Syria
Kenya	Uganda	United States	Turkey	Sweden	Yemen Arab Republic
Liberia	Upper Volta	Venezuela	Vietnam	Switzerland	
Madagascar	Zaire			United Kingdom	
Malawi	Zambia			Yugoslavia	
Mali	Zimbabwe				

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