

- 电与自动控制,2004,25(5):25-28.
- [9] 杨敏,汪云甲,郝庆旺. 矿山信息系统开放式架构[J]. 中国矿业大学学报,2003,32(4):402-406.
- [10] 吴立新,朱旺喜,张瑞新. 数字矿山与我国矿山未来发展[J]. 科技导报,2004,29(4):29-32.

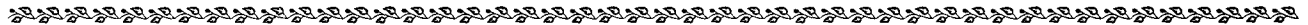
## RESEARCH AND EXPLOITATION OF GEOLOGICAL RESERVES MANAGEMENT SYSTEM OF ANQING COPPER MINE

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**Abstract:** Geological reserves is the foundation for survival and development of mine corporations. Whether the limited geological reserves could be efficiently managed directly affects the corporations' economy benefit and sustainable development. In recent years, the developed mining countries have applied information technology to reconstruct and promote their traditional mines. This work not only changed the traditional mining techniques and organization modes, but also greatly improved the production efficiency and safety level. This paper accords to concrete condition of Anqing copper mine, particularly discussed technology project and route to establish a geological reserve manage system, progressed the database general designing, and discussed the key techniques to accomplish the system.

**Key words:** geological reserves, management system, system exploitation



## 国内最大卡林型金矿 10 月投产

据《地质勘查导报》报道,我国目前已知的资源储量最大的卡林型金矿——贵州烂泥沟金矿经过一年多的建设,目前各项工程进展顺利,将于今年10月正式建成投产。

卡林型金矿又称微细浸染型金矿或沉积岩容矿的微细浸染型金矿,是20世纪60年代初在美国西部内华达州首先被发现的难选冶型原生金矿。烂泥沟金矿发现于20世纪80年代初,位于黔西南布依族苗族自治州贞丰县境内。地质资料显示,烂泥沟金矿资源丰富但品位较低,由于资金、技术等方面的原因,这个金矿的开采一直未能取得实质性进展。21世纪初,烂泥沟金矿有限责任公司与澳大利亚澳华黄金有限公司合作,并组建了贵州锦丰矿业有限公司,使这个金矿的开发成为现实。

据了解,烂泥沟金矿现已探明黄金资源储量为124t,是我国目前已知资源储量最大的卡林型金矿。金矿总投资9.7亿元,其中一期工程总投资6.8亿元,外方澳华黄金公司占82%股份。金矿一期工程建成后设计年产量为5.6t,矿区资源预计可开发15年左右。