

Application of the Mining Cloud platform in mining industry

Z. Yang¹, C.F. Guo² and G.H. Zhang³

1. Professor, Key Laboratory of Deep Coal Resource Mining, Ministry of Education of China; School of Mines; China University of Mining & Technology, Xuzhou, 221116, China. Email: yangzhen@cumt.edu.cn.
2. PH. D candidate, Key Laboratory of Deep Coal Resource Mining, Ministry of Education of China; School of Mines; China University of Mining & Technology, Xuzhou, 221116, China. Email: guochangfang@cumt.edu.cn.
3. postgraduate, Key Laboratory of Deep Coal Resource Mining, Ministry of Education of China; School of Mines; China University of Mining & Technology, Xuzhou, 221116, China, City State Postcode. Email: 3060981843@qq.com.

ABSTRACT (USE 'HEADING 1' STYLE)

With the continuous development of information technology, the continuous improvement of mining technology, exploration technology and equipment automation technology, mining enterprises are generating a large amount of data in the production process, and these data can often reflect the real safety production status of the enterprise. Therefore, this paper proposes an "Internet + mining" model characterized by highly networked, big data, cooperative working mechanism, and distributed server in the mining industry. At present, the "Internet + mining" model was realized through the Mine Cloud platform. First, through the fusion and integration of multivariate heterogeneous data, it can be realized data collected, storage and display automatically, and eliminating "information islands". And on this basis, a big data learning model is built by filtering and deeply mining the data to provide references for the safety production and management of enterprises. At the same time, with the accumulation of data dimensions and depth, it can also provide data support for the development and planning of the mining industry in the future.