



White Paper

## **Circular Blending System for Coal**

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PHB Weserhütte (PWH) have built and recently commissioned two circular stockpile systems which are used to stack, homogenize and reclaim raw coal for Gewerkschaft Sophia Jacoba in Hückelhoven, Germany. The total system is the first circular stockpile blending plant of its kind in the world and became fully operational only in June 1980.

The PWH circular stockpiling system with its careful material reclaiming properties was chosen after an in-depth study of all characteristics of known systems such as rectangular storage areas with different stacking systems and various methods of reclaiming working on the principles of drum or bucket wheel reclaimers.

The circular stockpile blending system has many advantages such as low investment cost reduced maintenance and operation cost, a high homogenising effect, continuous formation and reclaiming of the annular stockpile. However, it was the careful treatment of the highgrade, brittle anthracite that was the deciding factor for the placing of the order with PWH-