

SPECIALIST FRONT-END MINING CONSULTING SERVICES FROM WORLEYPARSONS

As a leading global provider of project delivery and consulting services to the resources and energy, and complex process industries, WorleyParsons' experience covers all five phases of the asset lifecycle, from the creation of new assets to services that sustain and enhance operating assets. The company has developed distinct business lines to respond to customers' individual needs in each project phase: *Select* is a specialist front-end division, focusing on identifying and choosing the right project, or option for a project, for a particular commodity, client or strategy. This typically includes early-phase concept and prefeasibility studies, but brings in project and portfolio viability assessments and value improvement processes and tools; *Deliver* aims to convert the highest potential value options into successfully executed projects; and *Improve* supports and improves customer assets throughout the operation lifecycle. Operating in over 40 countries across more than 160 offices, WorleyParsons uses knowledge gained from multiple sites and industries to meet its customers' requirements on time and within budget.

As part of a strategy to create global centres of excellence for its Customer Sector groups, WorleyParsons acquired project house TWP in South Africa, one of the largest mining and processing project design and delivery companies in Africa, to grow its capacity and capability in the mining and processing global market. The growth strategy positions Johannesburg as the mining and precious metals processing hub for *Select* work globally and for project delivery in sub-Saharan Africa. WorleyParsonsTWP has niche expertise in underground mining, particularly in hard-rock and precious minerals and metals, including most base metals, coal, platinum, gold, diamonds and ferrous metals, and has been involved in some of the most complex underground mining projects in South Africa and further afield.

The Johannesburg global hub for *Select* Mining and precious metals processing, offers a range of high-value services including strategic planning, business plans and portfolio opportunities; early-phase scoping for specific projects, from concept to pre-feasibility studies; and technical consulting services. "We are well-positioned to offer a comprehensive front-end service to assist clients in choosing the right project, and developing a sound portfolio strategy for our customers, drawing on extensive technical mining and mineral processing expertise," says Rob McGill, Manager: *Select*. Since 2010, WorleyParsonsTWP has undertaken over 100 studies, including concept, scoping, pre-feasibility, feasibility, due diligence and optimisation studies, across Africa, South America and Eastern Europe, for a wide range of commodities such as coal, gold, iron ore, platinum, diamonds, base-metals and manganese. The *Select*: Mining division will be focusing on Latin America, North America, Australia and Africa as these are the key markets due to project location and client and investor presence. A key

market sector is the global trend towards more underground mining due to mature pits and environmental pressures which suits the WorleyParsonsTWP skill-set. “The *Select* hub concept makes work easily importable as we can manage and oversee the process from the Johannesburg hub without requiring a team on site, although we will also draw on the global WorleyParsons network to develop key linkages in these regions,” says McGill.

Globally, as well as within the Johannesburg hub, the group employs specialists with a thorough understanding of the entire business value chain from market analysis to financial modelling; greenfield, early-phase studies to detailed project execution methodologies, and has access to current cross industry experience with a global database of major capital projects to enable customers to make strategic investment decisions.

Through its *Select*, *Deliver* and *Improve* business lines, WorleyParsons has proven systems and technical capability to successfully bring together the experience and knowledge gained in all phases of project development to provide customers with a complete project implementation solution.

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