



Paradyn BlendOpt

Smarter Blending, Processing, and Product Planning

Product Strategies in a Depressed Coal Market

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Hitting new lows in coking coal prices, concerns remains as to where the bottom of the market lies. It's within this context that BlendOpt has become an essential tool for coal mines.

BlendOpt's advantage is derived through the mathematical optimisation of integrated planning. BlendOpt shows whether a sales plan is compatible with a mine plan and which side needs to change. BlendOpt ensures a wash strategy is value-adding for today's coal prices. BlendOpt can create short term schedules that ensure today's logistics decisions won't prevent the timely delivery of tomorrow's contracts.

Technical marketers tell us BlendOpt improves what products they target to sell. Metallurgical coal producers point to consistent product quality as the biggest advantage from BlendOpt.

How does it work? Starting with an imported mine schedule, BlendOpt automatically discovers how coal should be processed, blended, and allocated to different products with the goal of maximizing profit. Users are thus able to accurately measure mine plan profits and compare this with the profit from mine plan alternatives. BlendOpt mathematical optimisation discovers plans with dramatically better cash flows compared with the most sophisticated rules used by planners today. BlendOpt profit improvements are typically 6%, and our clients have found improvements anywhere from 4-11%.



Mine 2Market Optimisation
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