

Coal Mining Operations



Executive Summary

- ❑ Major US coal mining operation
- ❑ Improve mine productivity

Challenges

- ❑ Linking the various elements of coal production and transportation into a continuous process at each mine and across mines
- ❑ Improving uptime
- ❑ Reducing shift change time
- ❑ Reducing longwall equipment repositioning time
- ❑ Improving materials logistics
- ❑ Prioritizing subsurface construction
- ❑ Management process best practices

Results

- ❑ Revenue up 13%
- ❑ Margin up from 28.2% to 37.9%
- ❑ Operating income up 151%
- ❑ Inventory reduced 47%
- ❑ Clean tons produced up 28%
- ❑ Longwall move cycle time down 25% to 35% with a five to nine day saving
- ❑ Equipment uptime improved 68%
- ❑ Cumulative feet of advance up 19%