



A VISION OF GROWTH



"SolidCAD is #1 when it comes to meeting our software and training needs, and is always available. The instructors are helpful, staying long hours to help us in all areas of concern."

Mike Giesler
Chief Designer
Redpath Raiseboring
Division

www.redpathmining.com

INTEROPERABILITY OF DESIGN DATA

EXECUTIVE SUMMARY

Recognized as the pillar of the mining industry, the Redpath Group first opened its doors in 1962 by founder James Redpath, who later went on to complete one of the deepest circular concrete shaft excavations in North America - even by today's standards. It was there that the company was truly solidified, earning huge accolades for their resourcefulness, performance and innovative thinking in mine development and construction in the areas of shaft sinking, mine development, construction and raiseboring.

THE CHALLENGE

To establish itself as an innovative leader with a forward-thinking philosophy, Redpath Raiseboring identified the need for a sophisticated 3D design solution. The selected technology would be responsible for assisting in the development of state-of-the-art raiseboring machines, designed to be both economically considerate and powerfully inclined in its drilling efforts.

THE SOLUTION

Under the skilled guidance of SolidCAD, Redpath Raiseboring quickly adopted Inventor to be used in conjunction with its existing AutoCAD software. This investment included a series of specialized training sessions and support services designed to help familiarize its team with the product as it pertained to the unique design requirements of the projects. Today, Redpath Raiseboring makes the most of its Autodesk software licenses.

THE RESULTS

- Compatibility and interoperability of design data between AutoCAD and Inventor.
- Significant reduction in the overall time spent on design, documentation, manuals, weight calculations and bill of materials.
- Ability to produce high-quality renderings in minutes using Inventor.
- Communication improvements and increased quality of designs & documentation.
- Reduction in errors throughout the entire design process.

RESOURCES UTILIZED

AUTOCAD MECHANICAL

AUTODESK INVENTOR
PROFESSIONAL

AUTOCAD ELECTRICAL

ONGOING MENTORING

CUSTOM TRAINING

SOLIDCAD TECHNICAL
SUPPORT

