



PROMINE
MINING & GEOLOGY SOFTWARE



Promine Case Study: Modeling The Future With Laurentian University

Promine software introduced in Laurentian University labs

At Laurentian University in Ontario Canada, fourth year mining students are required to complete mine design projects using commercial mine planning software AutoCAD as part of their final grade.

Through Promine's Software Donation Program Marty Hudyma, associate Professor of Mine Planning and Design at Laurentian University, was able to have Promine's AutoCAD extension software installed for his students at Laurentian.

Challenges for Students

The main challenge mining engineering student's face with AutoCAD is that though it may be very clear what they'd like to build in their minds, translating it into a 3d model can be exponentially more difficult. Learning the software interface, modeling tools, and system functions takes time and patience. Functions such as raise planning and section cutting can be especially difficult to grasp as there are many steps which the engineer must adhere to so they can achieve accurate results.

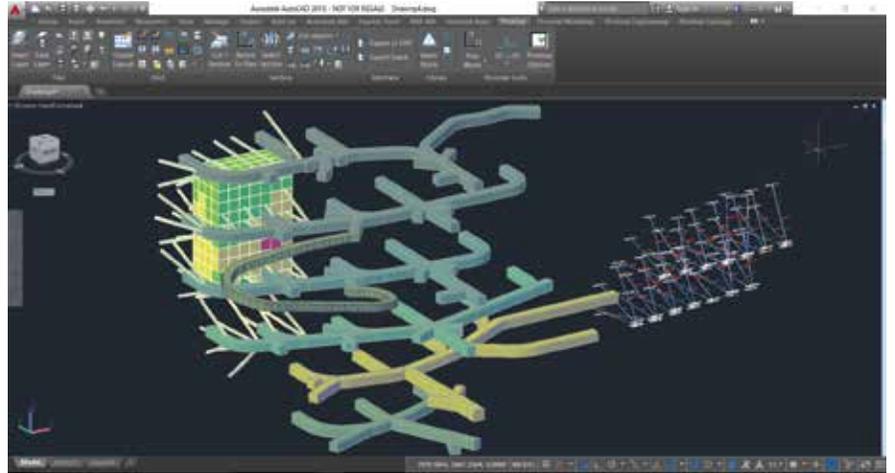
In the academic environment, time is of the essence. Cumbersome tasks can be frustrating, resulting in an inefficient use of time for both student and professor.

The Promine Advantage

Mine design for students is difficult mostly due to inexperience in using mine design software. The training videos and guides that Promine offers are a powerful resource which give students a real sense of what the final design should look like.

Promine's tools are specifically tailored for the mining industry and increase the efficiency of design drastically as opposed to not having Promine tools.

It also forms a basis for them to extrapolate and create their own design according to their required specifications.



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The Results

"The students in Laurentian's mining program found the software very easy to learn because it was logical, straightforward and had great support documents and videos. The training manuals and exercises were easy to follow. The students particularly liked the short vignettes available on Promine's Youtube channel- when faced with a problem, the students would watch the coordinating video for a few minutes and could then figure out what step(s) they'd missed. Within a very short period of time the students were able to create ramps, drifts, stopes and raises for an orebody that was given to them. In fact, the semester went so well, many students were able to rework and improve their designs because it was so quick and easy to do in Promine."

"We want to thank Promine for providing software and the type of support a student learning environment needs. Being able to teach the software in short modules and then have the student practice what they learned with real examples was a very effective way to learn. Our students spent more time learning the principles of mine design than on learning software."

- Marty Hudyma, Associate Professor of Mine Planning and Design at Laurentian