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## Customer Success Story:

### From simple AutoCAD models to intelligent multi-platform models and collaboration.

Being one of the larger and older mining companies, Palabora Copper is now able to respond fast on urgent modifications after equipment breakdowns on our aged infrastructure. With the correct applications that we are now empowered with, our design workflow is more streamlined and better manageable, enabling us to tackle larger retrofit and expansion projects internally within the Drawing Office, with shorter timeframes and flexibility to make changes as the projects evolve.

Modena Onesolve presented comprehensive training sessions on selected design applications, in both Product Design & Manufacturing (*PDM*) and Architecture Engineering Construction (*AEC*) packages, to the Engineering Draughting team at Palabora Copper. With a variety of design applications in these collections, the Drafters are now able to choose the correct application depending on the project type and discipline. The different type Drafters at their different levels within the Drawing Office can share and collaborate on larger high detailed projects, joining individual experience and knowledge. As an example, the Design Draughtsperson is now able to fully compile a design model, and then hand it over to the Detailer to prepare detailed working drawings, with minimal interaction but with full understanding of design approach and intent between the parties. This makes him/her more available to work on other design developments in the pipeline, making the job scheduling more smoother with very satisfied clients.

### Project Goals:

- Introduce multiple design applications for different types of projects.
- Streamline modelling phase and reduce detailing time.
- Automatically compile B.O.M.
- Improve productivity.

### Solution:

By presenting detailed courseware and implementing AEC in addition to the existing PDM, made designing multi-disciplinary projects and models significantly easier by using the correct application for the specific project. With software compatibility, this also made collaboration between models easier, reducing design time and errors, resulting in shorter turnaround times.



Palabora Copper is a subsidiary of Palabora Mining Company (Pty) Ltd, 1 Copper Road, Phalaborwa, 1389

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**Outcome:**

Many hours are saved on manual component designs by using a variety of applications. This means less errors and less stress on individuals. Quick component labelling and identification, fast B.O.M generation means fewer human errors. Easy fully detailed fabrication drawings from 3D multi-disciplinary models within manageable time frames.

**Conclusion:**

One might be thinking that the only way of getting end results in an engineering design environment is through long hours, work stress, and painstaking work on manual model designs, until you see the full range of specialized design applications that Autodesk has in store. The training effort and continuous support we received from Modena OneSolve has been worthwhile, and we expect the Drawing Office to continue improving its effectiveness and efficiency as we onboard more personnel and stakeholders on our new ways of work.

**Services Provided:**

Supply and presenting courseware on Autodesk PDM & AEC collections with continuous customer and technical support.

Thank you, Modena Design and OneSolve for your friendly service and support.

Regards,

**Engineering Drawing Office  
Palabora Mining Company.**