

COMPANY

**Power Line Engineering
Public Company Limited**

LOCATION

Bangkok, Thailand

SOFTWARE

AUTOCAD

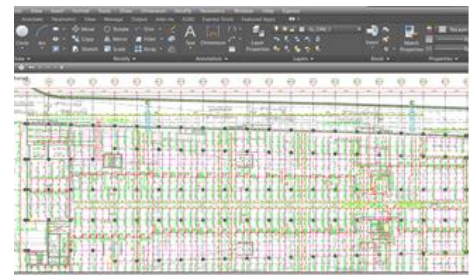
POWER LINE ENGINEERING: MOVING TOWARDS BIM

Longtime Autodesk customer uses AutoCAD to create designs and drawings in civil construction projects

“My team creates designs and drawings on all of our projects, and Autodesk products play the most important part in our work processes. As build quantity takes off, we find AutoCAD to be the most effective software we use in generating high-quality engineering designs as well as to reduce costs in our workflows.”



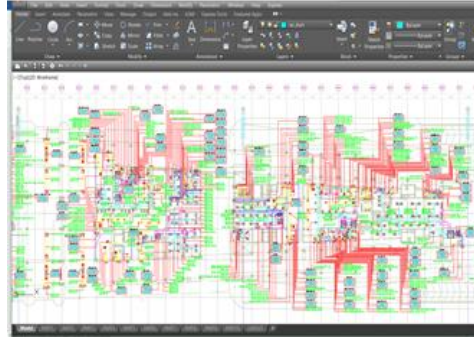
Mrs. Nannaphas Kaewtong
Senior Manager CAD MEP



Parliament of Thailand. Image courtesy of PLE

Power Line Engineering Public Co. Ltd. (PLE), which was established in 1988, engages in the design, engineering and installation of electrical, communications, fire protection, plumbing, air conditioning and ventilation systems as well as general civil construction projects for offices, hotels, hospitals, and factories. As part of the company's expansion plan, it was listed on the Stock Exchange of Thailand in 2002. Since then, PLE has invested in several other businesses such as real estate, bio-mass power and joint ventures with foreign companies to engage in construction projects overseas.

Mrs. Nannaphas Kaewtong, a Senior Manager at PLE, leads a 50-member strong team that work on CAD drawings and MEP designs. “To give our company a competitive edge, I focus on maximising the performance of my team and their ability to work as a unit. I ensure that they have the best and latest tools they need for their work, so that they can add value to their job functions and manage their time effectively, which ultimately, results in cost savings for the company.”



The Supreme Court of Thailand. Image courtesy of PLE

She elaborates that AutoCAD is integral to their daily operations. “My team creates designs and drawings on all of our projects, and Autodesk products play the most important part in our work processes. As build quantity takes off, we find AutoCAD to be the most effective software we use in generating high-quality engineering designs as well as to reduce costs in our workflows.”

In comparing AutoCAD with other tools that they use, Mrs. Kaewtong said, “My team find AutoCAD to be easy to use, and they are most comfortable with it. AutoCAD allows access via web and mobile, which is the feature that my team appreciate the most, as they have the flexibility to work from anywhere. AutoCAD can handle even complex and large-scale projects, and the stability of the software meant that it takes less time to create the designs compared to other software. This is a huge benefit to my team as they are enabled to create high-quality, innovative work and to be more efficient and productive.”

Looking to the future, Mrs. Kaewtong observed there will be changes to the project requirements that they work on. “In my country, the new generation of leaders are already moving to adopt Building Information Modelling (BIM) in order to reap the benefits that it brings to the construction industry. I want my team to be ready for it. I will continue to look to Autodesk’s great software solutions to help us meet that challenge.”

“AutoCAD can handle even complex and large-scale projects, and the stability of the software meant that it takes less time to create the designs compared to other software. This is a huge benefit to my team as they are enabled to create high-quality, innovative work and to be more efficient and productive.”