

Building Strong Foundations with Innovative Design



Company Background

From powering city streets to enabling modern communications, PMW Group of Companies has long shaped everyday infrastructure. Established as a trusted manufacturer of piles, poles and monopoles, the company serves both local and international markets with a diverse portfolio—from electric distribution poles and wiring supports to telecommunication monopoles and decorative lighting poles, including signature designs seen around mosques and public spaces.

Beyond finished products, PMW also specialises in the design and production of moulds and machinery for concrete product's manufacturing—from concrete to metalworking—supplying overseas customers with tools that uphold quality and consistency. With its monopole division, the company extends its expertise further by delivering complete solutions with accessories that integrate seamlessly with modern telecommunications equipment.

Rising to Meet Bigger Demands

As PMW expanded to deliver larger and more advanced pole structures, particularly in the telecommunications sector, the company recognised the importance of a design approach that could handle complex assemblies with both speed and accuracy. With bigger projects came higher expectations—driving the need for tools that could streamline workflows and strengthen design precision.

At the same time, PMW placed strong emphasis on equipping its engineering team with the right resources and continuous support, ensuring they could work efficiently, innovate confidently, and meet rising customer demands.



When Precision Meets Innovation

The adoption of **SOLIDWORKS 3D design software** gave PMW the clarity and efficiency it needed to keep pace with growth. Known for its user-friendly interface and powerful assembly management features, the software enabled engineers to quickly identify the source of errors instead of relying on time-consuming trial-and-error corrections. This not only minimised rework but also helped the team maintain accuracy when dealing with large, complex structures like telecommunication monopoles.

Beyond error detection, **SOLIDWORKS enhanced the entire design process**. Engineers could visualise assemblies in greater detail, test how components fit together, and make adjustments in real time. This intuitive and streamlined approach reduced repetitive tasks, accelerated project timelines, and gave the team more freedom to focus on innovation and delivering high-value solutions to customers.



IME team is very responsive - always quick to address questions and patient in guidance. They've made a real difference in ensuring smooth adoption and long-term success.

En. Mohd Faisal bin Ibrahim
Mechanical Engineer



Results That Speak for Themselves

The adoption of **SOLIDWORKS** transformed PMW's engineering operations in measurable ways. Design cycles became **15–20% faster** as errors were detected and resolved with far greater efficiency. With less time spent troubleshooting, engineers could focus on design and innovation, driving a significant boost in productivity. At the same time, enhanced accuracy strengthened confidence in every project, reducing rework and ensuring smoother delivery. These improvements not only elevated daily efficiency but also reinforced PMW's reputation for reliability, positioning the company to drive innovation and strengthen its role in shaping tomorrow's infrastructure.

