

**PLYTEC Formwork®** specializes in the construction method engineering field of temporary works for the forming and erection of concrete structures, and workplace access on job site. The company provides full range of product solutions to perform shoring and formworks in compliance to the codes of practice for all concrete elements from toe-to-tip of a building structure comprising footing and ground beam, column and wall, podium slab & beam, transfer floor structure, and typical floor structure of a tower. Meanwhile, its full range of access equipment including self-climbing perimeter protective screen with working platform (SCP), modular-type and frame-type scaffold systems (SCP), modular-type and frame-type scaffold systems (SCP), and various types of steps including platform ladders;

are designed to fulfill the requirements of a safe and productive workplace for both the exterior and interior of a building.

**PLYTEC Formwork®** provides engineering products and services in strict adherence to the industry standards and regulations including the following:

- CIDB CIS 18 (IBS Score)
- CIDB CIS 22 (Safe Use of Scaffolding in Construction)
- CIDB CIS 23 (Safe Use of Falsework & Formwork in Construction)
- JKKP Guidelines for Safe Use of SCP

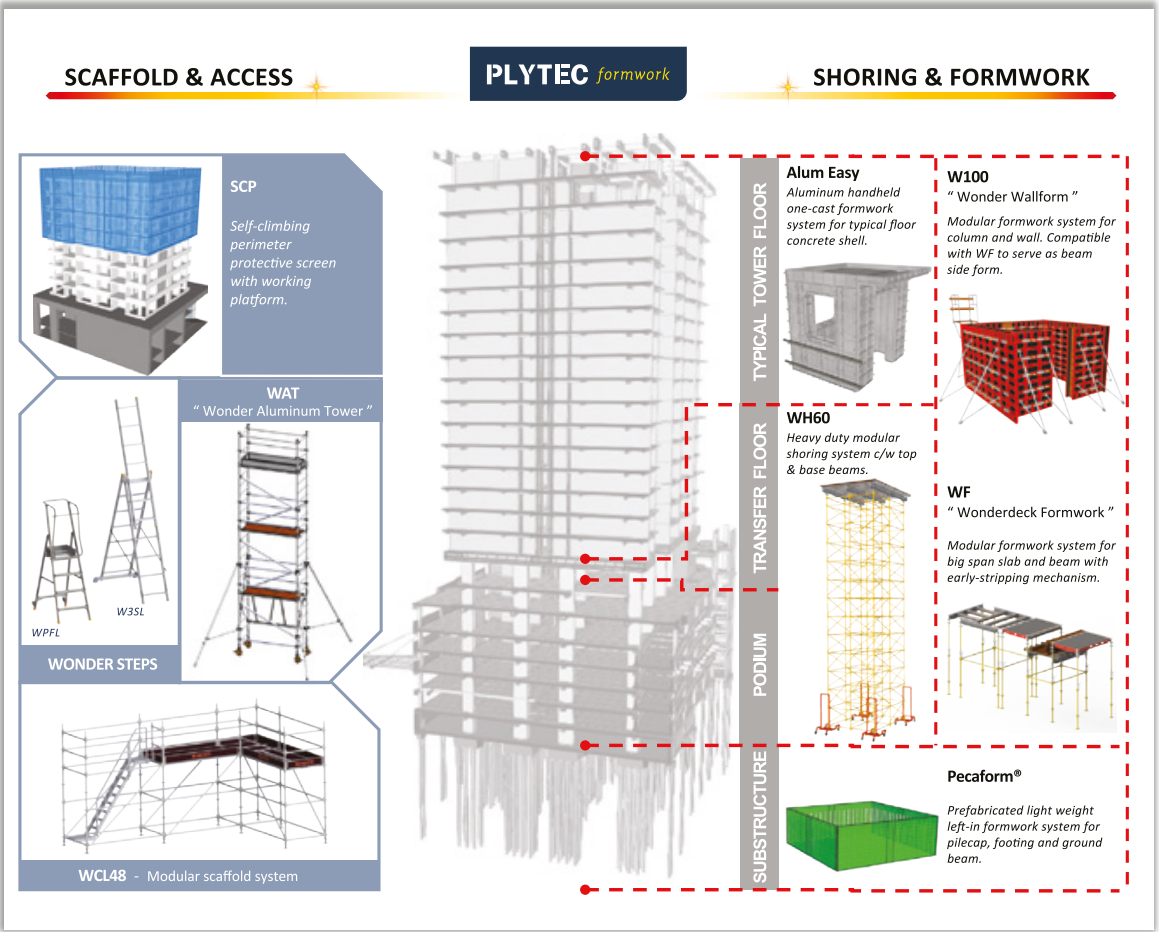


Figure 1 – PLYTEC Formwork® Product Line Up

Figure 2 – Scope of Services



In year 2018, the company gained control on the supply chain of its products by establishing own manufacturing lines and R&D unit under an exclusive conglomeratic partnership with **WONDER®** which is specialist producer of aluminium falsework and access equipment for construction.



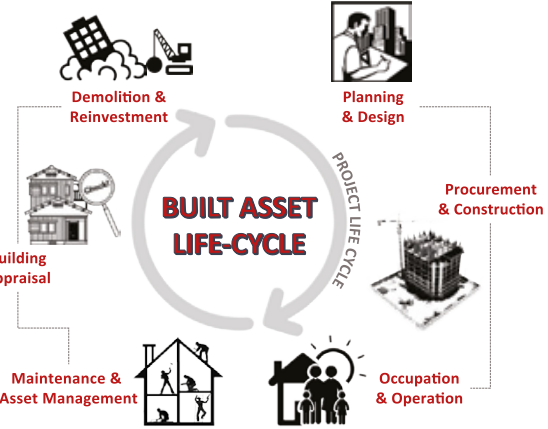
Picture above:  
View of **WONDER®** manufacturing plant in Guang Dong, China.

Picture below:  
View of **PLYTEC FORMWORK®** product management center in Olak Lempit, Selangor, Malaysia.



The unique strength of **PLYTEC Formwork®**, attribute of the completeness in both the scope of company services (outlined in Figure 2), and the product systems (lined up in Figure 1); is the capability of providing total solution and one-stop-center service quality to satisfy the fullest expectation of project clients including reliability, consistency and effectiveness.

The company develops long term partnership with project clients based on proven job performance, persistence commitment and trust worthiness; and delivers solutions for temporary works that meet any job requirement over the entire built asset life-cycle as illustrated in the diagram below:



Synergized with the specializations of other component companies in the group, **PLYTEC Formwork®** extends the following pioneering engineering services with the adoption of digital smart technology to the industry:





Pecaform®

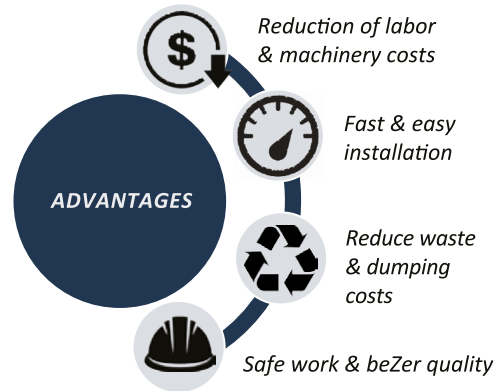
A prefabricated cast-in type plastic IBS formwork system for substructure concrete elements. It is made of steel wire mesh reinforced with polyethylene sheets. It is light weight, flexible and versatile to work with to suit straight or curve shapes. Being pre-formed, it is hence easily assembled on site with minimal labor and no hammer, nails or saws are needed. The system is highly productive and becomes the essential choice of fast-track projects.



▶ **Pecaform®** expedites work sequence and enhances site safety as backfilling of excavated pit takes place before concreting, and there is no need for formwork stripping as compared to conventional methods (see illustration in pictures).

Wonderdeck Formwork (WF)

A modular system formwork in aluminum panel frame structure integrated with adjustable telescopic prop (MS EN1065) & innovative prop head which allows stripping of formwork panels without disturbing the prop-to-concrete support contact. WF comprises only few basic components; it shortens concrete construction cycle to 5-7 days; it improves productivity as much as 10 times on flab slab structure compared to conventional timber formwork system.



▶ **W100** (in picture) is the wall /column component of the WF system. All PLYTEC® formwork, shoring and scaffold systems work in compatibility.



SCP

Self-Climbing Perimeter Protective Screen with Working Platform



▶ Enhanced workflow coordination under the full protection of work zone enclosure and self-performing efficiency of the SCP equipment.

The equipment comprises of entirely metal components and mechanical liding system. It requires one-time installation at initial level and climbs in synchronization to work zoning and actual progress. It meets the requirement of best safety practices and provides adequate and professional work access for works at height. **SCP is a construction method for high rise buildings which adopts technological innovation to harmonize safety and productivity.**



WH60 – Heavy Duty Modular Shoring

A simple steel shoring system comprises modules of four main components which are the Vertical Member, T-Frame, Horizontal Ledger and Diagonal Tie. Its shoring grid dimensions come in the multiples of 250mm for T- Frame system; and 300mm for Ledger system.



*WH60 Shoring system can be erected as stacking tower, or multiple grids complex spatial structure to suit the actual dimensional and loading requirements. It is widely adopted as shoring solution for transfer floor structure in construction of high-rise buildings; and, for bridges and pier heads in infrastructure projects.*

*The system had achieved an ultimate compressive strength of 196.6kN per leg when tested by CREAM based on test method BS EN 12813:2004. It is a quality and durable product, and the system is reliably robust, easy to learn and use. With adequate engineering and proper handling, WH60 is the choice to warrant safety and productivity.*