

ADVANCED BUILDING TECHNOLOGIES (ABT) SERVICES



This is a FRAMECAD system that designs Light Steel Frames that are used to build strong, durable steel framed buildings. This software enables the design and accurate detailing of construction projects and assists in the management of projects from design phase to commissioning. The system holds many advantages over traditional construction techniques, its design and build methodology is all about the rapid construction of quality buildings and delivers a faster return on investment and new business opportunities for investors.



ABT provides alternative methods to construction and solves traditional methods of construction by keeping up with the international demand for better, more efficient and affordable buildings. Our product assists project owners, developers or builders to turn opportunities into commercial reality, faster than ever before – at the same time delivering better quality buildings that meet the demands of modern communities. ABT is therefore showing how the need for rapid construction of quality buildings is defining the future of construction. Cold Formed Steel done by Impoqo's ADVANCED BUILDING TECHNOLOGIES is a superior construction method for the future.



Construction

Our FRAMECAD system is used to design buildings, to do engineering calculations, structural analysis, detailing and roll forming.

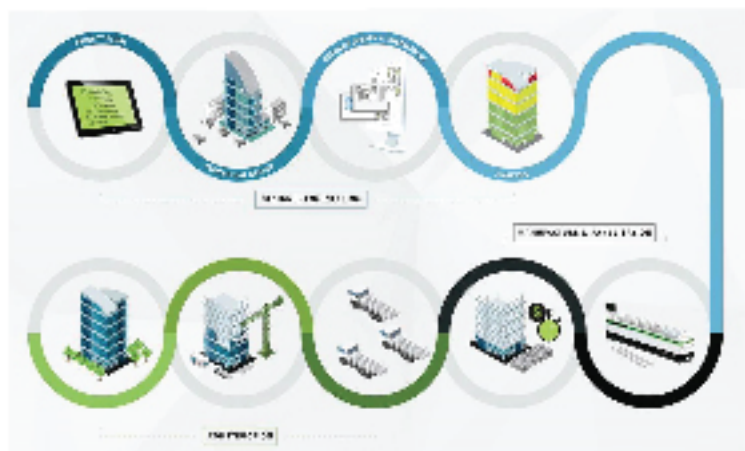
Software

Intelligent FRAMECAD software streamlines engineering, designing and detailing processes; ensuring buildings can be rapidly designed and built.

Since the future of construction lies in sustainable materials that are delivered using fast modern methods, Cold Formed Steel designed by our FRAMECAD can result in faster building times, lower costs, versatile design solutions and a durable, practical solution to premium buildings.

Our diverse and highly qualified team at Impoqo provides comprehensive end-to-end project solutions that include consulting, design, engineering, construction management, operations, maintenance and the use of our cutting-edge Steel Frame Technology.

OUR DESIGN LED CONSTRUCTION LAYOUT



This system enables major components of the project to be produced at scale with high precision in a factory controlled environment. This factory can be onsite or offsite. However the end result is a design-led construction process that moves faster than a project done through traditional building methods.

Overview of 3 main Stages of FRAMECAD

- Stage 1** – The design and specification stage eliminates potential time costs from the very beginning of the planning stage as this system uses specialised detailing and engineering software that makes the process of engineering, design and detailing faster, simpler and highly accurate and eventually reducing engineering costs.
- Stage 2** – The Manufacturing stage is quickened by the Cold Formed Steel (CFS) from our FRAMECAD System. This CFS design-led process allows for fast production of all needed joists, frames, and trusses with minimized waste. Roll-forming produces frames and other components precisely and faster with consistent quality.
- Stage 3** – The Construction stage is accelerated by full readiness and predictable scheduling, enabling a quicker date of completion. CFS frames are lightweight and eliminate the need for heavy lifting equipment during the erection phase. The FRAMECAD System doesn't require any welding or riveting in assembly and therefore components can be assembled offsite before they arrive on the construction site, and so trusses and joists can arrive ready for use.