



SMRT™ Hybrid Design Portal Frame

XXL SHEDS call it a revolution rather than an evolution as it releases its unique patented SMRT™ hybrid design for portal frame buildings to the market.

What is the SMRT™ Hybrid Design Portal Frame?

It is a portal frame system that uses different materials to ensure the most efficient engineering design. This is achieved by using fabricated columns and part rafters transitioned to cold form for the remaining length of the rafter dramatically increasing the use of cold form over hot rolled sections, thus reducing costs without compromising structural integrity.

What are the advantages of this system?

- **Greater clear spans** achieved through the unique SMRT™ hybrid design portal frame
- **Eliminates knee brace support** (potentially reducing the height design of the building)
- **Significant material savings** through the use of cold form steel vs complete fabricated steel designs
- **Reduced freight and handling costs** due to lighter design
- **Less Labor** intensive fabrication work required
- **Incorporates overhead crane rail supports** which is not available with full cold form design



If you would like to take advantage of this revolutionary system in your projects providing greater design flexibility whilst offering considerable savings compared to the traditional hot-rolled steel and open web fabricated portal designs, then talk with XXL SHEDS, where you always get**Value by Design.**

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