



ShedBoss appointed Structerre to review, improve and transform their existing ShedBuilder software to be more competitive, cutting-edge and automated. Their existing technology produced shed design and certification based on a collection of pre-calculated span tables. Our team assisted in the development and provided the engineering verification of a design engine where the design and certification is automated based on a series of shed geometry and site location inputs.

Our main goals for the project were to improve our client's existing processes to be more efficient and streamlined, speed up their turnaround times without compromising technical standards, and help them achieve Australian Steel Institute (ASI) ShedSafe accreditation. ShedSafe accreditation is the industry benchmark for Australian manufactured steel sheds. In the process, Structerre provided design innovation and technical assistance for the development of the design engine. We also included the structural design of the slabs, footings, bracing systems, portal frames and awnings for this software. The automated system produces an estimated 1600 shed certifications per annum with specific design input only necessary when the normal specifications are exceeded.

Structerre developed an internal system in which a sales representative or client can submit the shed parameters required, in conjunction with the location, for automatic assessment. The automated system assesses design, generates drawings and provides a site-specific certification in as little as 15 minutes. Our team provided training to each ShedBoss outlet and continues to deliver the technical backup as well as the engineering support for the once off, customised structures that fall outside the parameters of the software.

Residential Geotechnical Commercial & Infrastructure Inspect & Investigate Energy Assessment Environmental

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