

# Point Trading Engineering Capability Overview



## Point Trading Group

Point Trading Group specializes in the design, development, customization and supply of high-quality, innovative and technologically advanced systems and products. Our national research & development, combined with extensive worldwide engagement and ongoing development, result in solutions that enhance our clients' capabilities. Our engineers carry out design, research and development to satisfy clients' direct requirements, and to maintain our product leadership by the continuous improvement of existing products.

Our professional engineers, including those with Chartered Professional Engineer status, carry out engineering design in mechanical, electrical and systems engineering fields. Our technical staff perform their design in accordance with the Point Trading Engineering Management System, which comprises processes that satisfy the technical regulatory requirements of the TRAMM-L (Technical Regulation of Australian Defence Force Materiel Manual – Land), and the systems engineering lifecycle processes of EIA-632. Point Trading's staff, systems, processes and documentation ensure that completed products conform to their requirements, are fit-for-service, safe and environmentally compliant. Verification and validation of products is carried out either by Point Trading, or by external specialists.

Our mechanical engineering design is supported by sophisticated Solidworks 3D design software, which includes the Solidworks Simulation Premium package. In addition to providing three-dimensional models of mechanical parts and assemblies, our software provides capabilities such as stress analysis, deformation analysis, the validation of tolerances, the motion of assemblies, and design for manufacturability to be performed before a prototype is made.

A flexible engineering team allows Point Trading to provide innovative solutions to our customers, leveraging our expertise, and the expertise of our industry partners, in electro-optical, mechanical, electronic and computer-controlled systems. Point Trading Group is accredited in AS/NZS ISO 9001:2008 Quality Management and AS/NZS ISO 31000:2009 Risk Management.



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