

PRODUCTS & SERVICES



We specialise in the combination of multiple engineering disciplines to rapidly deliver tangible, manufacturable systems and products.

We supply subsystems and support for satellite tracking applications including RF ground stations, satellite laser ranging systems and free-space optical communications systems.

Platypus Instruments can provide turnkey solutions or supplement an existing team. Our staff work within our well-equipped office, client sites or at remote field locations as required.

CAPABILITIES

We have specialist expertise in optical and RF approaches to space domain awareness and directed energy weapon systems. We also provide:

- Concept-to-prototype design services.
- Electro-optical and laser engineering.
- Mechanical, electronic and software design.
- Applied electromagnetics, antenna, and RF systems.
- Signal and image processing expertise.
- Real-time-embedded control solutions.

KEY CUSTOMERS



- DSTG – High voltage pulse generators and space surveillance data.
- Liquid Instruments – Moku:Pro product design support.
- Quantum Brilliance – Optomechanical and RF control system hardware.
- Locata – 3D antenna and microwave phased array design.

KEY PARTNERS



DISCRIMINATORS

- 100% Australian owned SME.
- 20+ years of experience in balancing engineering creativity with commercial pragmatism, including assisting client projects across the TRL 3-7 “valley of death”.
- Transparent and flexible accounting for time and materials.
- Experience in the unique engineering requirements of the Defence, industrial, production-oriented, and academic domains.

CONTACT DETAILS

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