



Research Services Division: delivering specialised scientific engineering capability

DST's Scientific Engineering Services (SES) delivers specialised scientific engineering, design and fabrication solutions to DST divisions, Defence and industry.

SES provides leading edge capabilities in the areas of:

Electronic engineering and fabrication

- Complex electronic hardware design and fabrication
- Surface Mount Assembly Technologies — automatic loading, assembly and inspection of printed circuit boards in prototype quantities
- Software engineering with embedded or hosted software
- Firmware and printed circuit board design

Mechanical engineering and fabrication

- Complex mechanical engineering, design and fabrication
- Design and development of complex electromechanical systems
- Additive manufacturing — metallic and polymer 3D printing capability
- 3, 4 and 5 axis simultaneous machining for complex geometries
- Sheet metal, welding, model making and carpentry

Microengineering

- Microfabrication
- Micro-packaging and metrology
- Laser micromachining

Applied scientific imaging

- Documentary recording
- Generating technical data including 2D and 3D motion analysis, digital image correlation and low or high-speed video acquisition
- Imaging support for trials and experiments

Partnering opportunities

SES engages with industry in the provision of engineering services to DST via the Research, Scientific, Engineering and other Technical (RESET) Standing Offer Panel, and with our industry partner QinetiQ Australia via the DST Engineering Services Contract.

DST researchers and their partners wishing to engage with SES are invited to contact us on email: SESGLSES@dst.defence.gov.au

