QUANTIFYING THE UNKNOWN

QUANTX

CAPABILITIES

SAPPHIRE OSCILLATORS Cryoclock

Purest signal available on the commercial market

X-LNO

Producing a worldleading ultra-low phase noise reference signal in the microwave band

QUANTUM CLOCKS **Compact Rubidium Optical**

Clock Better than GPS quality, accurate timekeeping, at low SWaP, and a stable long-term holdover

QUANTUM **MAGNETOMETERS** Q-MAG

Ability to measure extremely small anomalies in the magnetic field on Earth, the Moon and Mars

DIFFERENTIATORS

CRYOCLOCH

- 100% Australian owned and controlled
- **Track record of R&D translation into Defence programs**
- Deep collaboration with Australian universities for IP transfer
- Harnessing guantum sensing techniques
- **Unique patent portfolio**

CUSTOMERS / STAKEHOLDERS



APPLICATIONS

Q-MAG Intelligence gathering

Underground

Underwater In-space

QUANTUM CLOCKS Alternate - PNT

DEFENCE

NNOVATION

PARTNERSHIP

SAPPHIRE OSCILLATORS HF Radar **Microwave Radar**