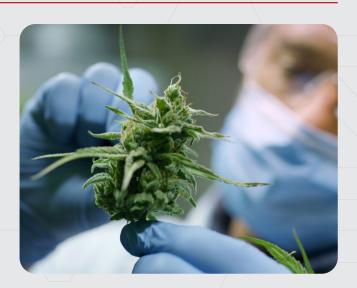# CASE STUDY:
Red Piranha and Australian Natural Therapeutics Group

Red Piranha

Background

Australian Natural Therapeutics Group (ANTG) medical cannabis harvesters, produce high-quality cannabinoid-based medicinal treatments, combining a strong research focus with best in class cultivation methods.

ANTG faces strict regulatory requirements and was seeking to improve their level of protection and address cybersecurity concerns typical of IT and OT Environments driving the need for comprehensive onsite, holistic threat protection solution.

Challenge

As with the pharmaceutical industry, the medical cannabis industry is also highly regulated, both in Australia and overseas.

Suppliers and manufacturers are required to meet strict requirements outlined by the Therapeutic Goods Administration (TGA), who regulate:

- Access to therapeutic goods.
- Quality of therapeutic goods.

There is an extensive set of requirements that must be met to be granted a license; these include security requirements relating to the information security for records management, and personnel security of staff, contractors and their private information and controlled third party processes.

Solution

Red Piranha provided initial industry-specific consulting on cyber defence and risk management strategies.

Based on the high compliance requirements of the sector and the business, a sophisticated "defence in depth" capability was recommended, a suite of "Crystal Eye" Unified Threat Management (UTM) appliances were deployed across all physical sites in 2017.

Red Piranha's technology utilises Automated Actionable Intelligence (AAI) to complement human expertise in their Security Operations Centres based in Sydney and Perth, delivering Security Orchestration, Automation and Response (SOAR) as a Managed Service to ANTG.

As part of this technology services and support offering, Red Piranha also provided:

- Application Secure Code Review
- Cyber Forensics (Digital Forensic Investigations)
- Cyber Threat Intelligence Reporting
- Data asset security
- Governance, Policy Compliance Assessment
- Incident Response /Cyber Exercises
- Managed Threat Hunting
- Network Security Architecture, Technical Design & Advisory Services
- Penetration Testing/Red Teaming Services
- Risk Assessment
- Specialised Security training services
- Virtual Chief Information Security Officer (vCISO) services

Result

Red Piranha's range of Crystal Eye appliances and services provided a higher level of security and visibility reassuring ANTG that their network is secure against potential threats. In addition, as a result of monthly automated vulnerability scanning, a Remote Code Execution (RCE) was identified in a recently installed CCTV system. The total time for escalation, investigation and response was recorded at 26 minutes; this included the provision of an incident report and remediation advice.

With the help of Red Piranha, ANTG:

- Maintained their ISO 27001 Compliance
- Was able to discontinue use of disparate UTM, SIEM and Vulnerability Scanning products
- Developed a global incident response program
- Ongoing threat intelligence and comparative risk analysis reporting
- Was able to automate the responsibilities of a full-time Chief Information Security Officer (CISO)