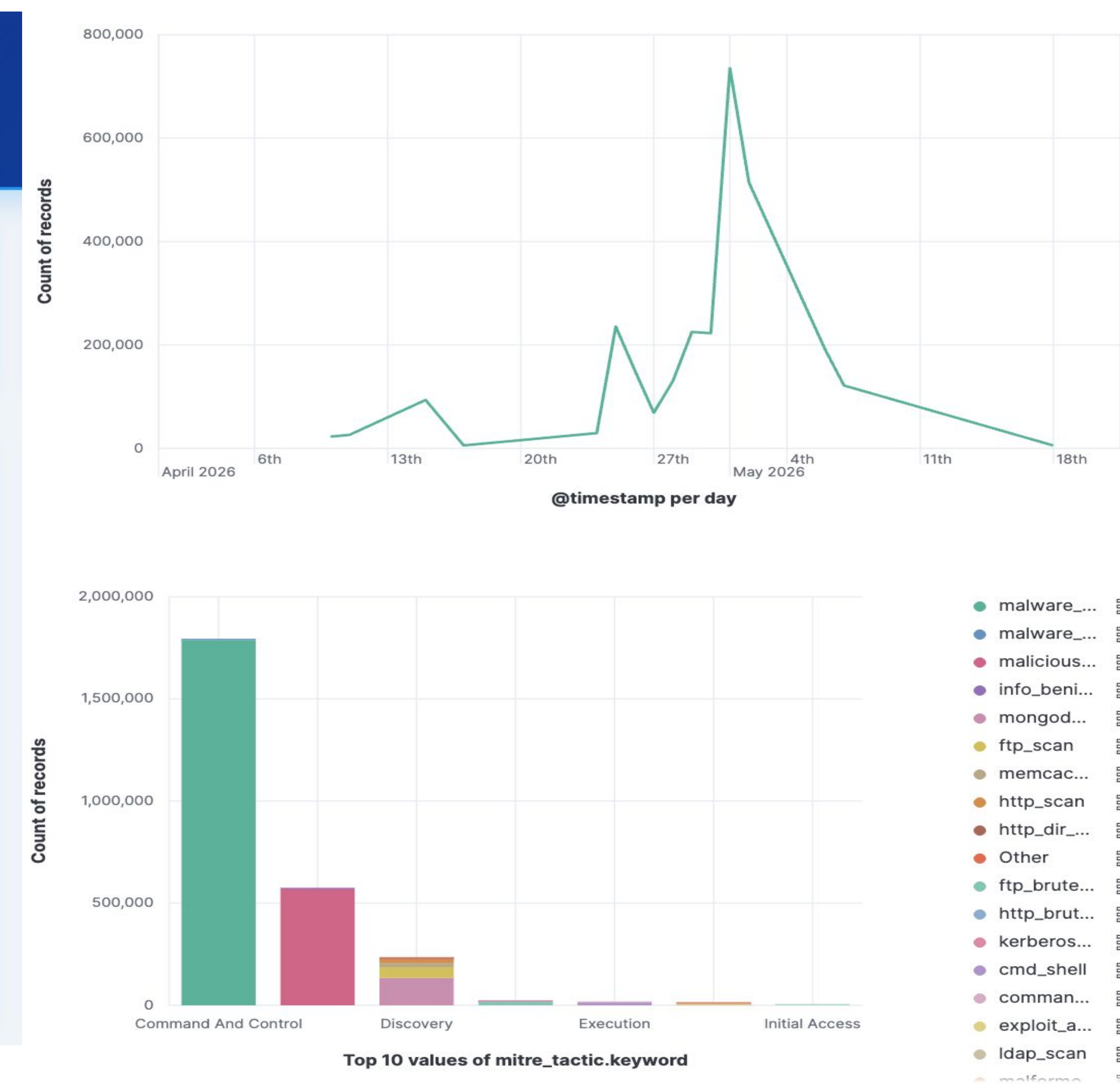
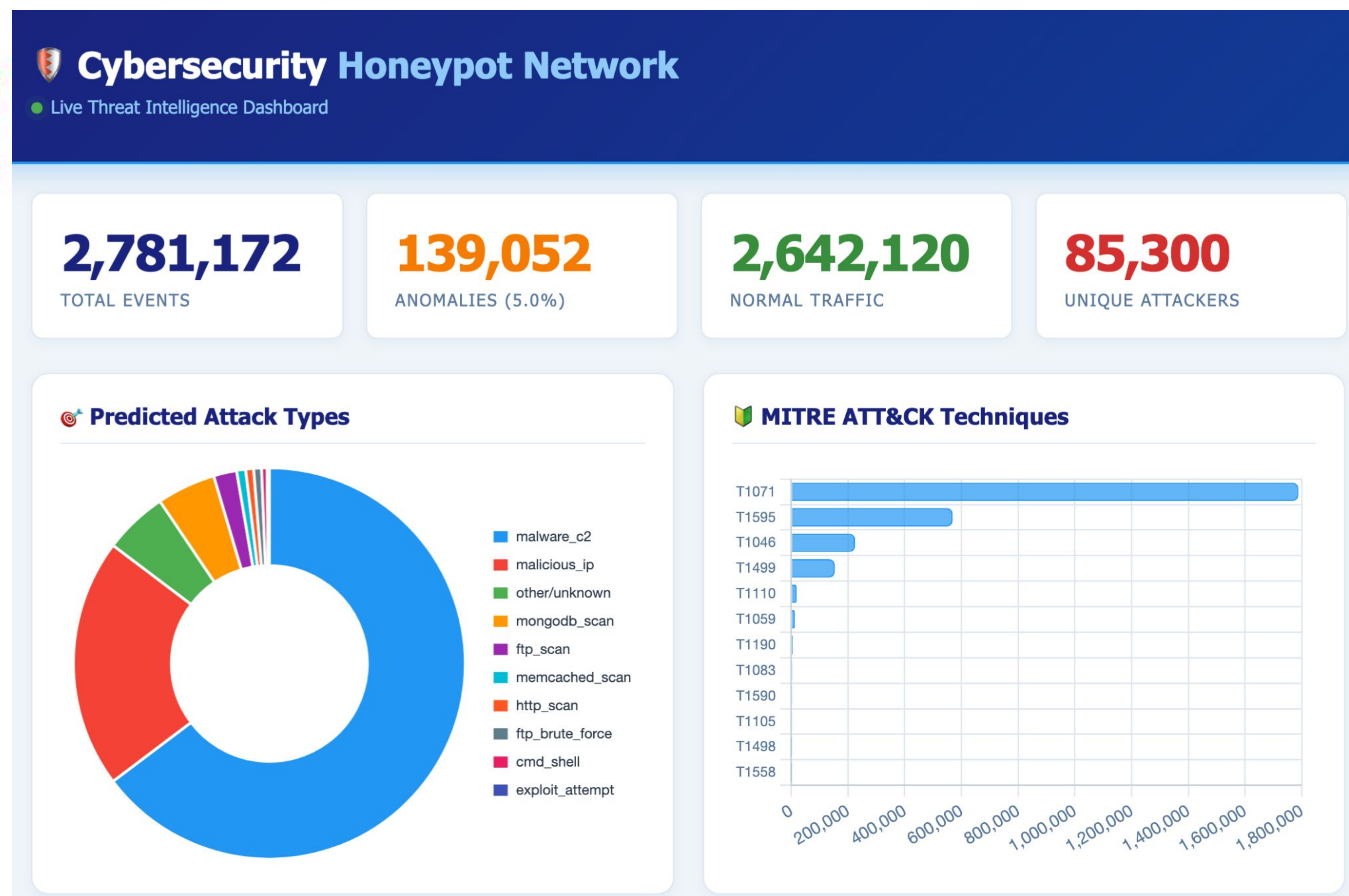


CYBERSECURITY HONEYPOT NETWORK

FOR TASMANIAN ICT SMEs

Detect, Analyse, Protect, Predict

From Vulnerability to Automated Defense



1. ADDRESSING CRITICAL SME SECURITY GAPS



Lack of Attack Visibility



Late Discovery



High Cost of Commercial Tools

2. HOW WE SOLVED IT

1

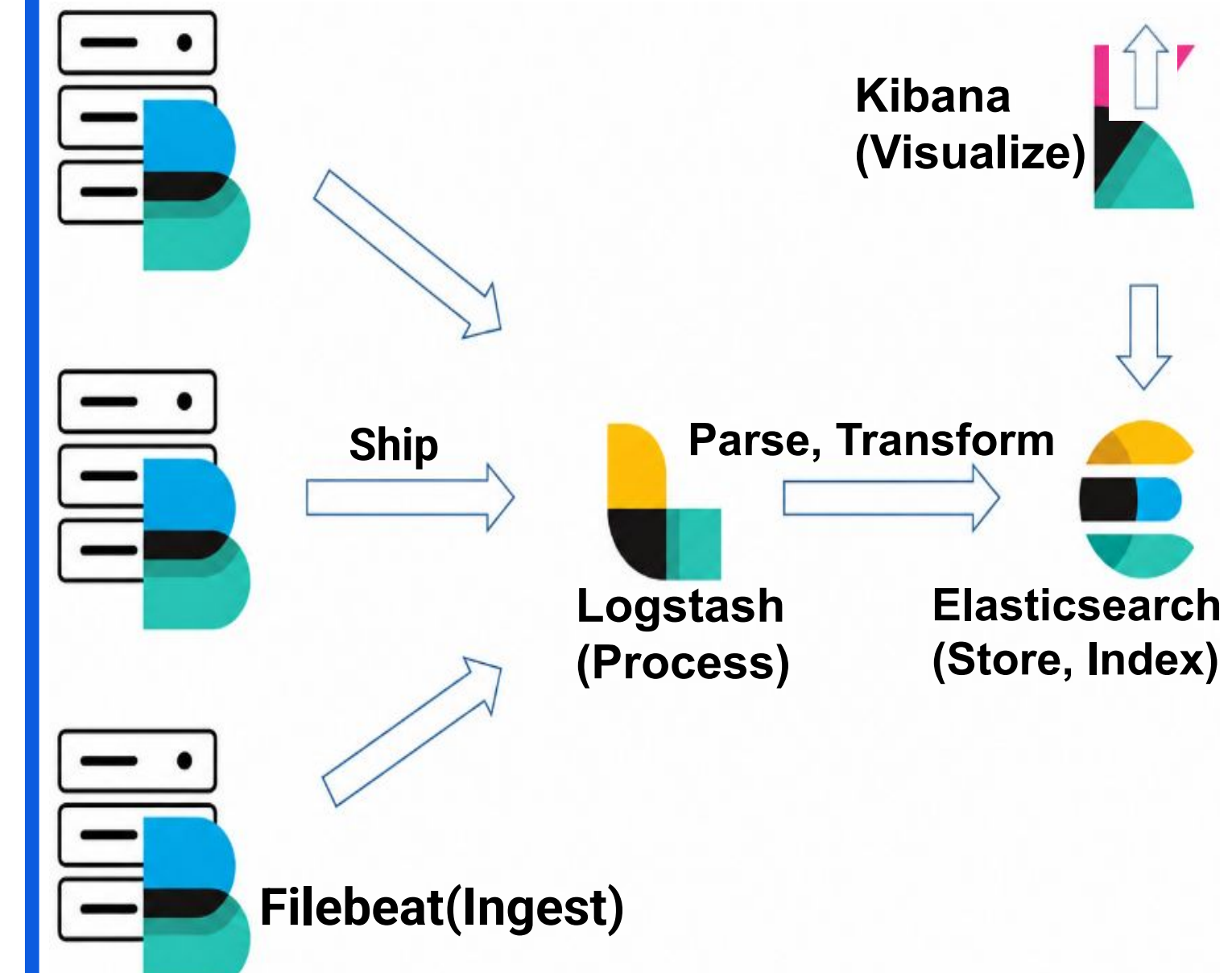
T-POT HONEYPOT

Catch Threats in action



2

ELK STACK



3

MACHINE LEARNING MODEL



Random Forest

- A collection of smaller models.
- Each model is not particularly accurate.
- The group as a whole can reach an accurate prediction

- Classification Accuracy **98.5%**
- Provides **Automated** classification
- Map to **23** MITRE ATT&CK techniques

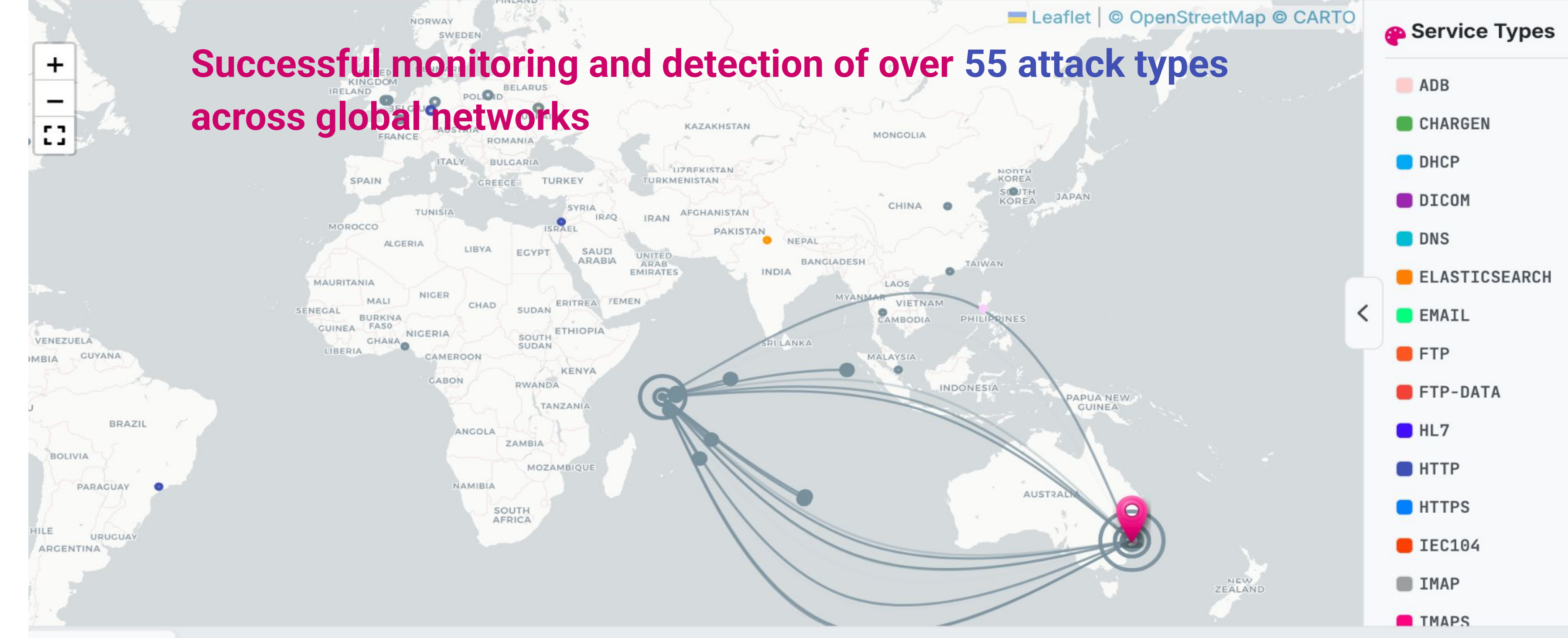
3. REAL ATTACKS REAL DATA

T-Pot Attack Map

Attacks 1M 995 1H 4786 24H 157239

Connected Cached

Successful monitoring and detection of over 55 attack types across global networks



Service Types

- ADB
- CHARGEN
- DHCP
- DICOM
- DNS
- ELASTICSEARCH
- EMAIL
- FTP
- FTP-DATA
- HL7
- HTTP
- HTTPS
- IEC104
- IMAP
- TMAPS

Live Feed

Top IPs

Top Countries

Dashboard

Time	Source IP	IP Reputation	Flag	Country	Honeypot	Protocol	Port	T-Pot Hostname
2026-05-21 11:48:34	160.119.76.4	Known Attacker		Seychelles	Honeytrap	OTHER	49655	ip-172-31-7-96
2026-05-21 11:48:34	160.119.76.4	Known Attacker		Seychelles	Honeytrap	OTHER	50149	ip-172-31-7-96
2026-05-21 11:48:34	160.119.76.4	Known Attacker		Seychelles	Honeytrap	OTHER	49453	ip-172-31-7-96
2026-05-21 11:48:34	160.119.76.4	Known Attacker		Seychelles	Honeytrap	OTHER	49661	ip-172-31-7-96
2026-05-21 11:48:34	160.119.76.4	Known Attacker		Seychelles	Honeytrap	OTHER	49976	ip-172-31-7-96
2026-05-21 11:48:34	160.119.76.4	Known Attacker		Seychelles	Honeytrap	OTHER	48903	ip-172-31-7-96
2026-05-21 11:48:33	160.119.76.4	Known Attacker		Seychelles	Honeytrap	OTHER	49330	ip-172-31-7-96
2026-05-21 11:48:33	160.119.76.4	Known Attacker		Seychelles	Honeytrap	OTHER	50234	ip-172-31-7-96

4. SYSTEM PERFORMANCE AND KEY METRICS



>250,000

High-Volume Real-Time (Events/day)



>99%

Enterprise-Grade Reliability(Uptime)



<1 Second

System Latency

5. TEAM

Chanatda Chaithanakunmongkhon

Luo Yan Wei

Shanmukh Subhash Pabbineedi

Md Muakcheear uddin