



Cyberdefense

How to detect, prevent & respond

to ransomware attacks and cyber extortion in the current threat landscape

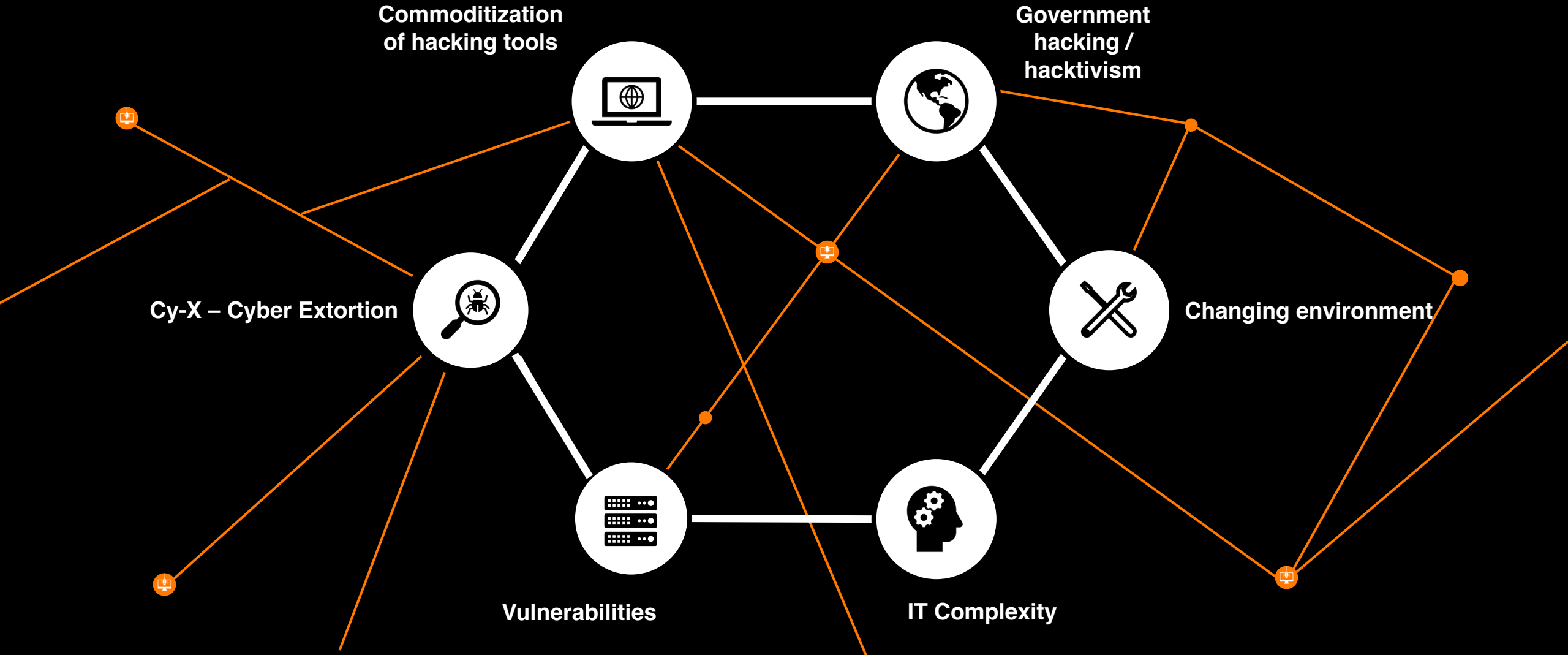


A hand holds a vintage-style compass with a white face and green markings, set against a blurred background of a lake and mountains. The compass is open, showing the needle and the lid. The text "Intelligence-led security is the compass that guides you" is overlaid on the bottom half of the image. The words "Intelligence-led security" are in orange, and "is the compass that guides you" is in white.

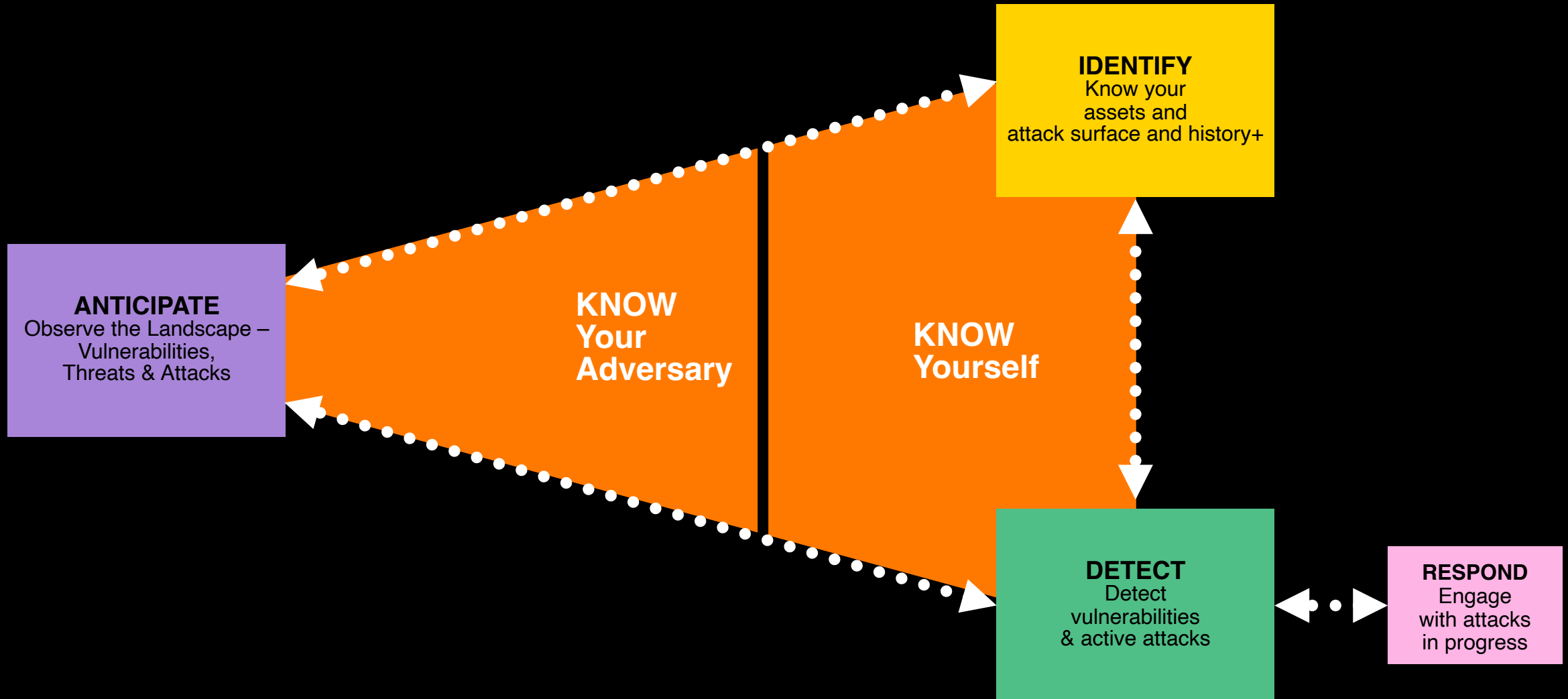
Intelligence-led security is the
compass that guides you

Navigate through the threat landscape

More diversity meaning more complexity



Intelligence Led security requires two perspectives





Challenge

**Sophisticated threats,
complex solutions, limited
resources and expertise.**

How to...

**... find signals in
the noise & stay
ahead of threats?**



**... understanding
your actual risk
profile?**



**... focus on real
priorities?**



**... be agile and
adaptive?**



**Our intelligence,
your advantage.**



To better navigate, read the changing currents

Our knowledge of the threat

Our research

- Security Research Center
- In house R&D
- Security Navigator
- Epidemiology Labs Reports

Our reach

- Cyber extortion groups
- Cybercriminal underground
- Emerging vulnerabilities
- Attacker infrastructure probing

Our people

- 250+ experts dedicated to R&D and threat research
- 20% of pentesters' time is dedicated to research
- 120+ in our international CERT continuously synthesizing threat intelligence

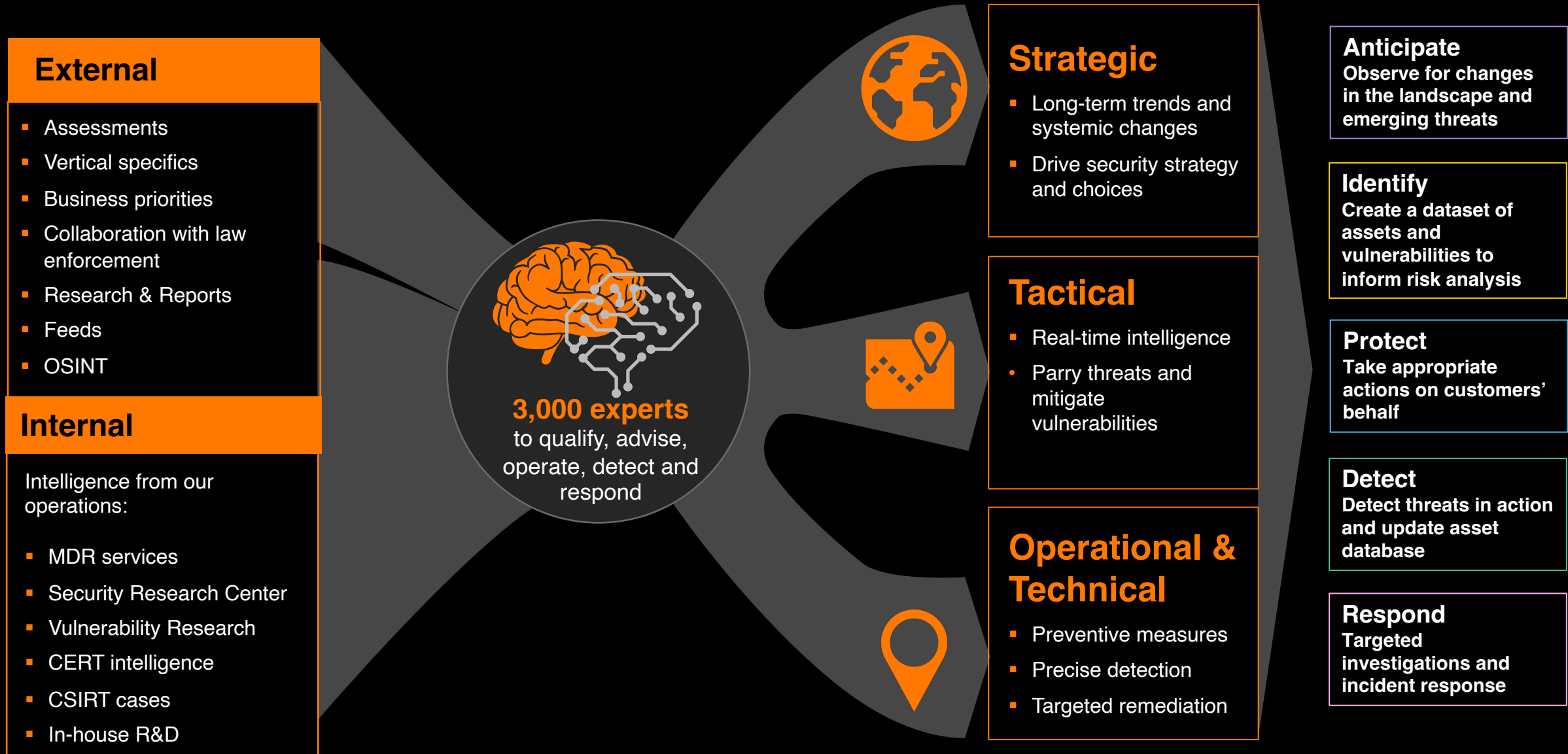
Our customers

- Quantity: data collected during client assignments
- Quality: diversity of our clients allows us to broaden the richness of our data



...the Intelligence-led approach drives action

Agile, adaptive security to your business in the face of the threat landscape





Get ahead of the storm

**Intelligence-led
security enables your
organization
with proactive
protection
and faster response**

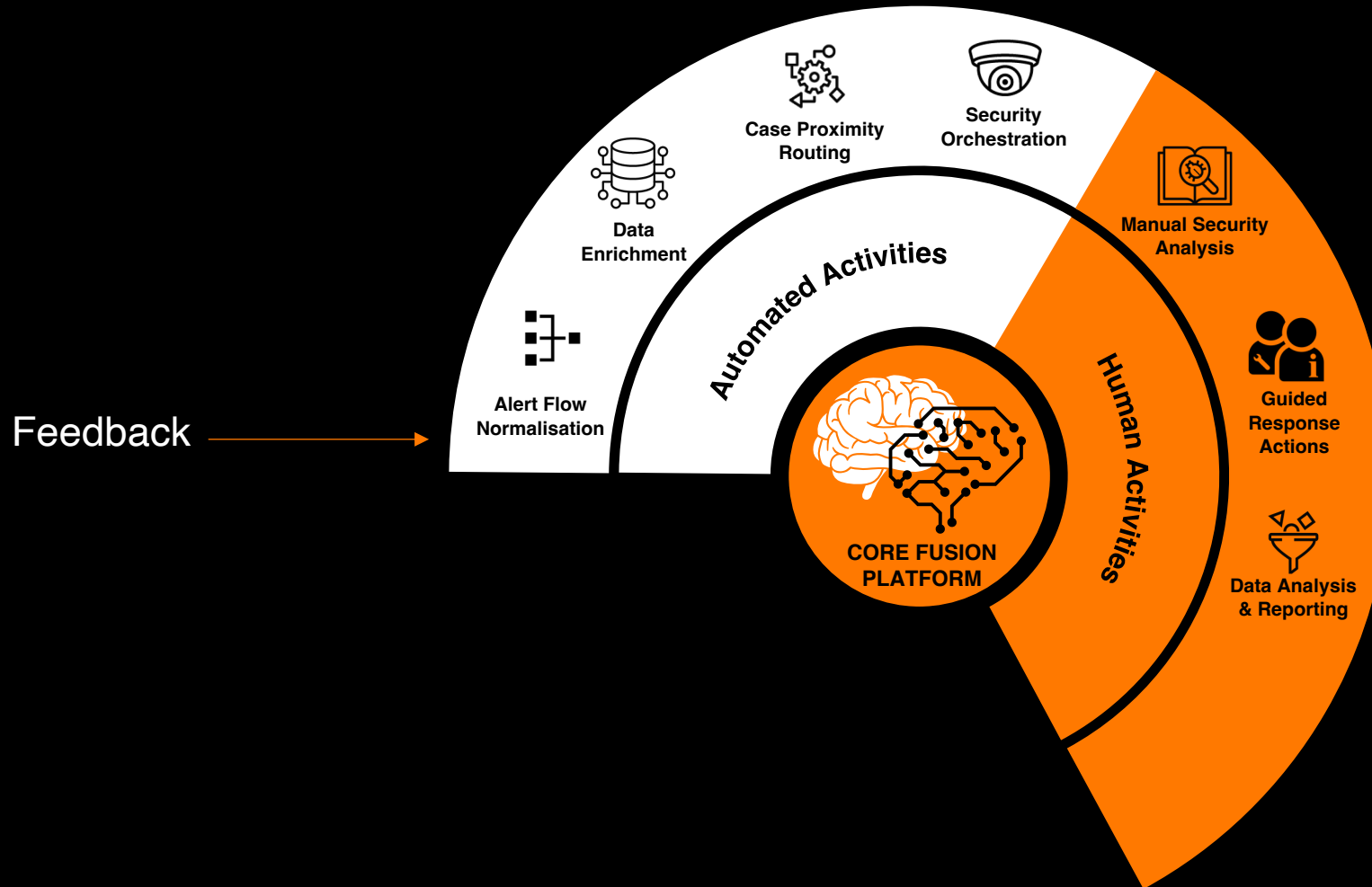
So where can we help?



Strategic Intelligence



Delivering Strategic Intelligence through incident classification



VERIS framework

True Positives

- Who was the threat **Actor**
- What **Action** did they take
- Which **Asset(s)** were compromised
- What were the **Attributes** impacted?
- What phases of the **kill chain** were observed?

False Positives

- **Who** caused it?
- **Why** did it happen?
- **What** can be done to make sure it doesn't happen again?

Tactical Intelligence



Delivering global Tactical Intelligence that drives action

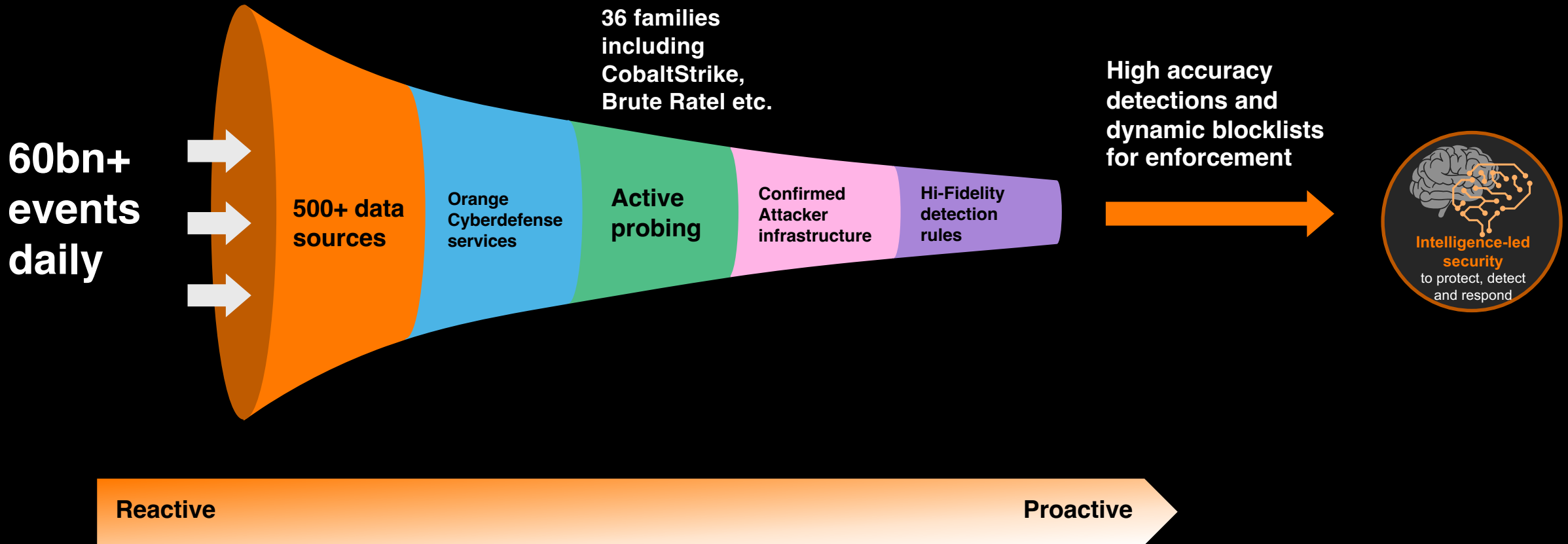


Technical Intelligence



Orange Cyberdefense advanced intelligence

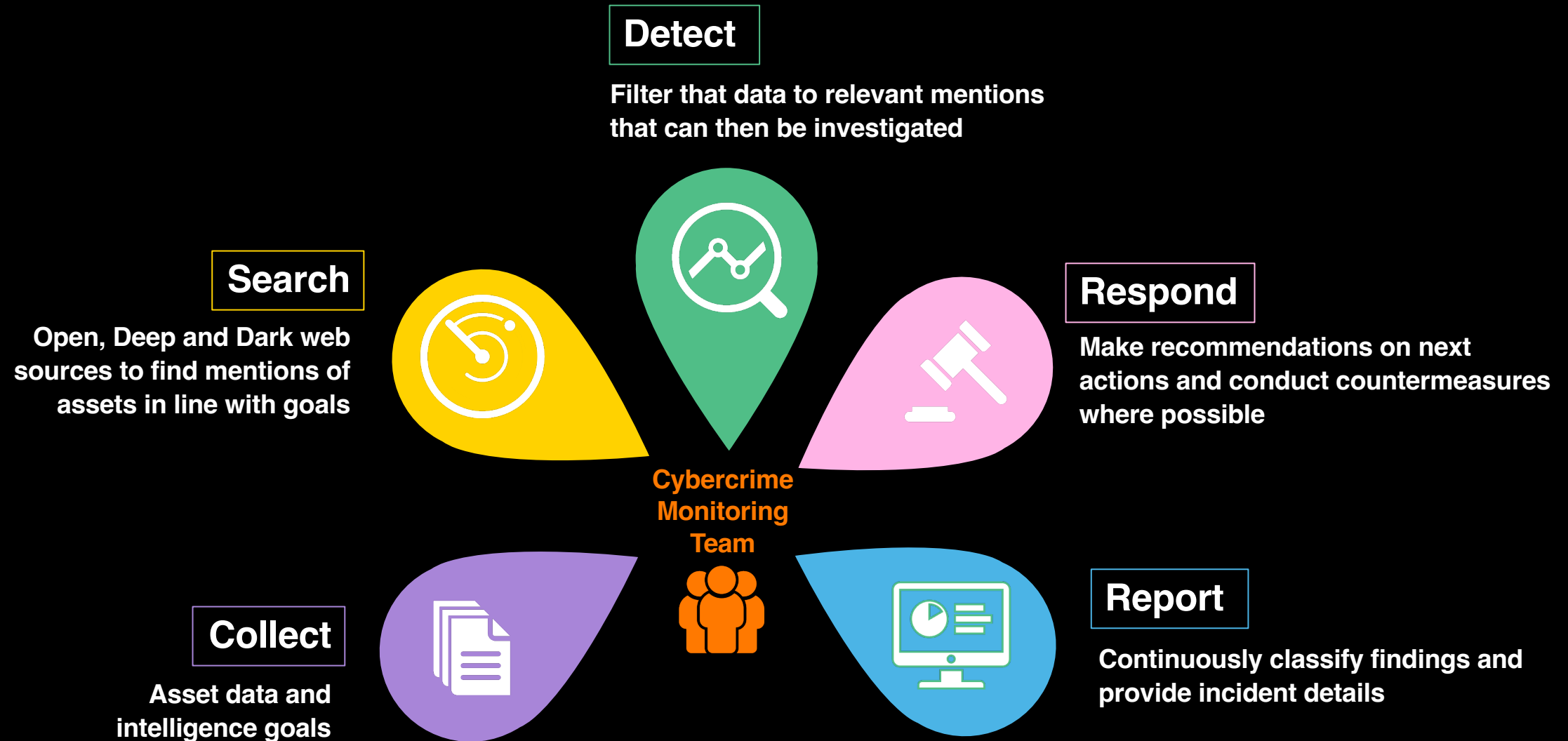
It is about quality, not just quantity...



Operational Intelligence



Delivering Operational Intelligence to empower our teams to find hidden threats



Delivering Operational Intelligence to find those unknown digital risks

**Cybercrime
Monitoring
Team**

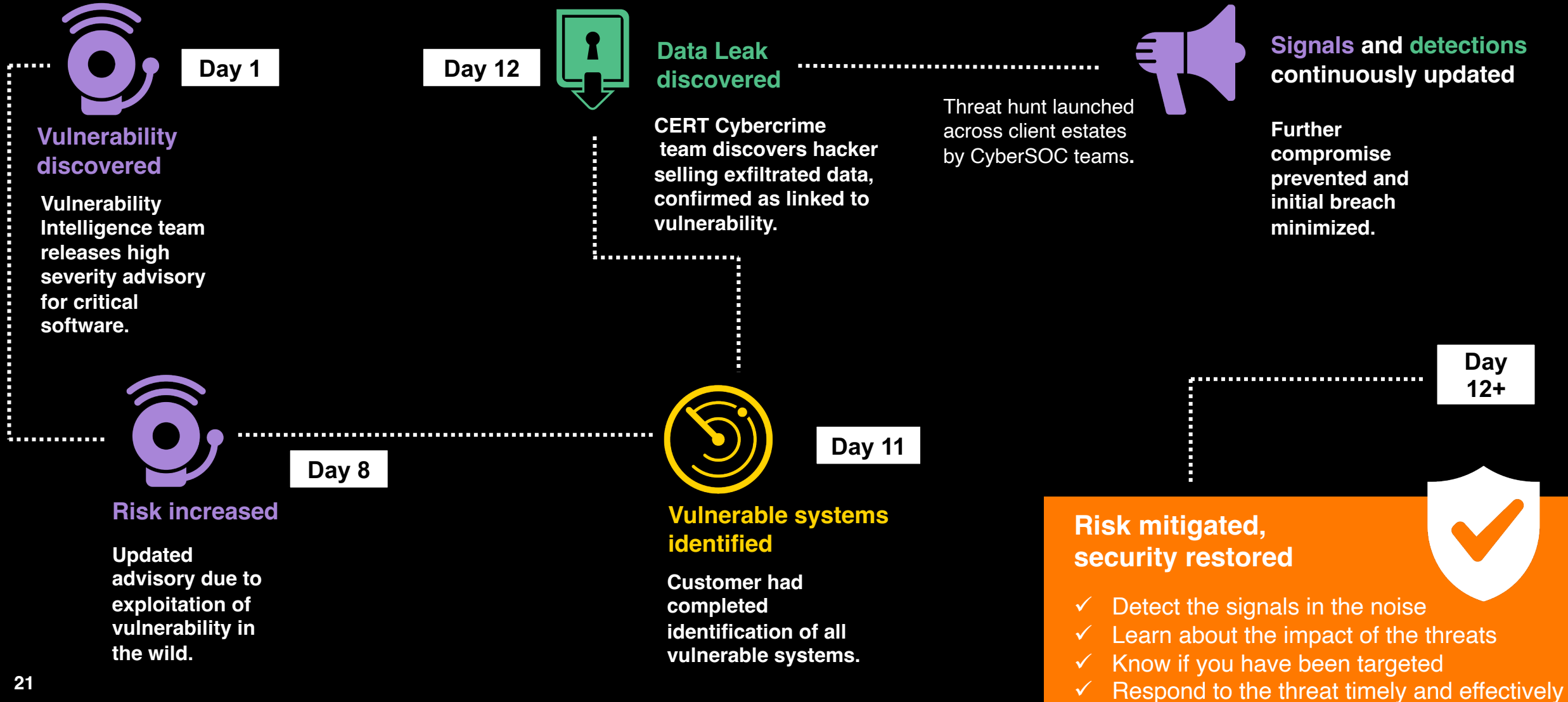


Intelligence-led security in action

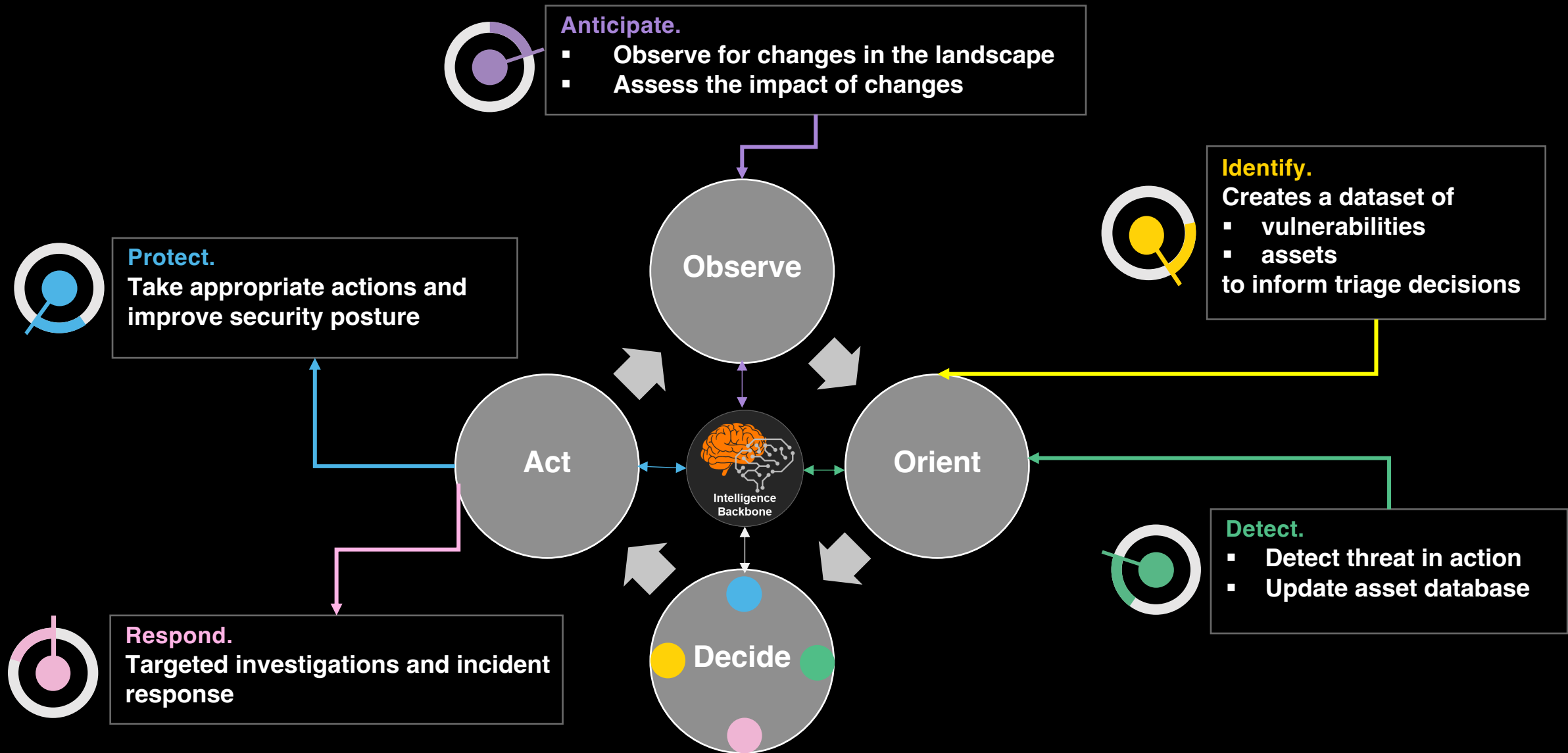


The value-add of a co-ordinated ecosystem

Major software vulnerability



Delivering an Intelligence-led approach for adaptive cyberdefense





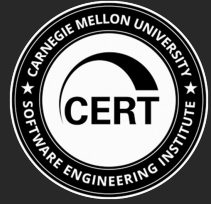
Together
we are
stronger.



Our CyberSOC

- **Managed Detection and Response operations for Orange Cyberdefense, 200+ people across the world.**
- **Global team including 14 CyberSOCs.**
- **Recognised by Gartner in Market Guide for Managed Detection & Response*.**
- **Highly experienced team including experience in handling Nation State level attacks and processing 50 billion+ events daily.**
- **Supported by Threat Research and CERT teams, including proprietary Orange Threat Intelligence Datalake and member of programmes such as Microsoft MISA**

Our CSIRT is part of the Orange Cyberdefense CERT



- Operating **since 2003**
- Collaborating with Orange internal CERT
- **60k+** rogue sites **taken down** per year
- **110+ experts** globally
- **24/7** Cybercrime-Fighting team with 20+ intelligence analysts across 3 time zones (follow the sun coverage)
- **10 languages**, specialised intelligence backgrounds
- Member of **industry-recognised** bodies for CERT activities including CREST, TF-CSIRT, FIRST, ...
- **Partnerships** established with vendors / editors, access to private lists, specific communication channels with police and intelligence departments all over the world, specific agreements with internet and Security global organizations (Verisign, Public Internet Registry, ICANN,...)



PHISHING
INITIATIVE
France





Our security approach is
driven by our knowledge
of the threat,
**and allows you to make
the right decisions.**

So you can...

...embed
intelligence into
your operations.



...align detection
and response to
key business
risks.



...respond
effectively and
decisively.



...make a step
change in
maturity.



There are optional tasks as well...

Detecting, preventing, and responding to ransomware attacks and cyber extortion requires a comprehensive approach that combines technical measures, employee training, and incident response planning.

Business Continuity and Disaster Recovery (BCDR Plan):

BCDR practices enable an organization to get back on its feet after problems occur, reduce the risk of data loss and reputational harm, and improve operations while decreasing the chance of emergencies.

Employee Training:

Educate employees about the risks of ransomware and how to recognize phishing emails and other social engineering tactics.

Vulnerability Management & Patch Management:

Keep all software and systems up-to-date with the latest security patches to prevent exploitation of known vulnerabilities.

Access Controls:

Limit user privileges to only those necessary for their roles to prevent unauthorized access to sensitive systems and data.

Data Backup & Recovery:

Regularly backup critical data and store backups offline or in a separate, secure location to prevent them from being encrypted by ransomware.

Security Controls in place

Install and regularly update security controls, such as but not limited to, IPS, network monitoring, network segmentation, endpoint protection, email filtering

Email Security:

Use email authentication protocols like SPF, DKIM, and DMARC to prevent email spoofing and domain impersonation.



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