

Orange
Cyberdefense
Ahead of the Storm

How to get ahead of the storm by leveraging threat intelligence

Julien Menissez, Product Manager



intelligence noun

in·tel·li·gence | \ in-'te-lə-jən(t)s  \

1. **information** concerning an enemy or possible enemy or an area
2. the **ability** to learn or understand or to deal with new or trying situations



The world is changing, What about security?

Digital transformation



+53% is the expected YoY spending growth on cloud services

A Gartner Research

Apps are everywhere



An average enterprise has **464** custom applications deployed, and IT security are only aware of **38.4%** of those

A Cloud Security Alliance report

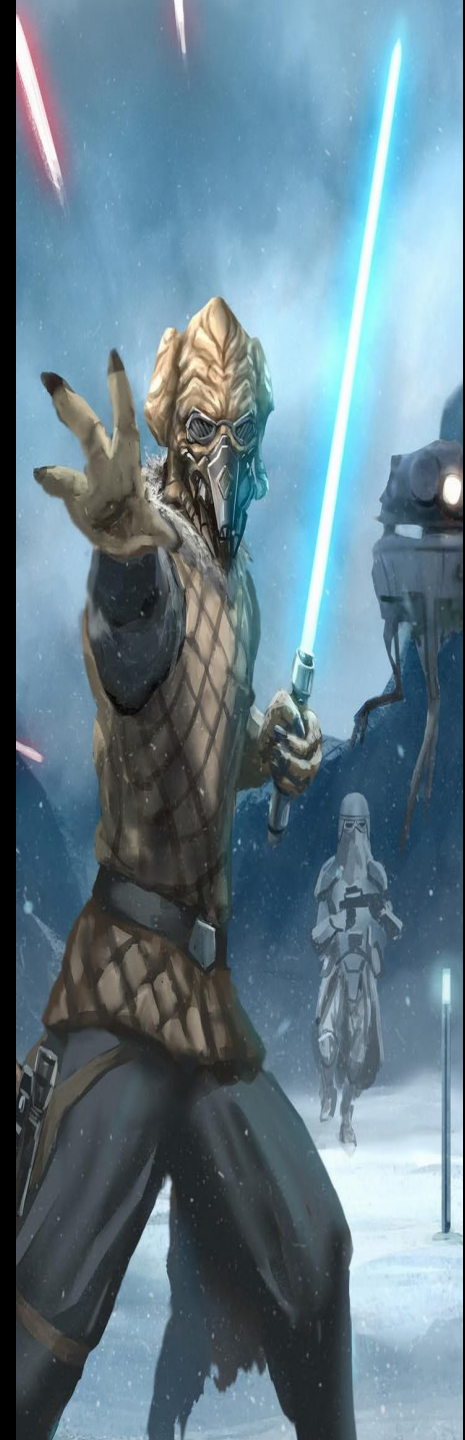
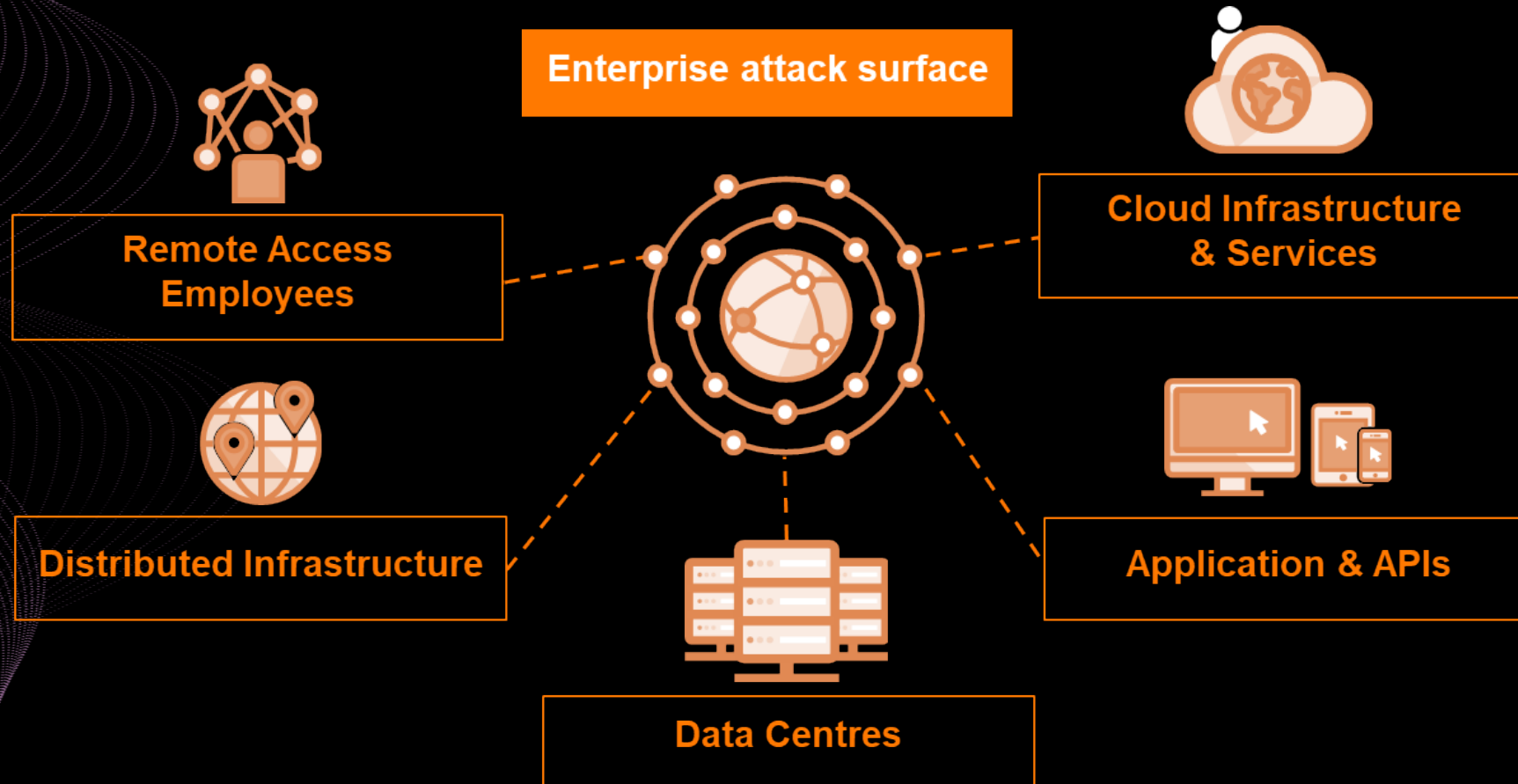
Work from anywhere



48% of employees will work remotely at least some of the time post-pandemic

A Gartner Research

Risk exposure, is it worth the risk?



A man with dark hair, wearing a red hoodie, is shown in profile, looking intently at two large computer monitors. The monitors display lines of code in a dark-themed editor. The man's hands are on a keyboard. The background shows a window with horizontal blinds. The overall lighting is dim, with the primary light source being the screens.

**As cyber threats evolve,
you need to evolve as well**

Christopher A. Wray

**Are you having difficulties managing a growing
multi-vendor hybrid IT/OT environment?**

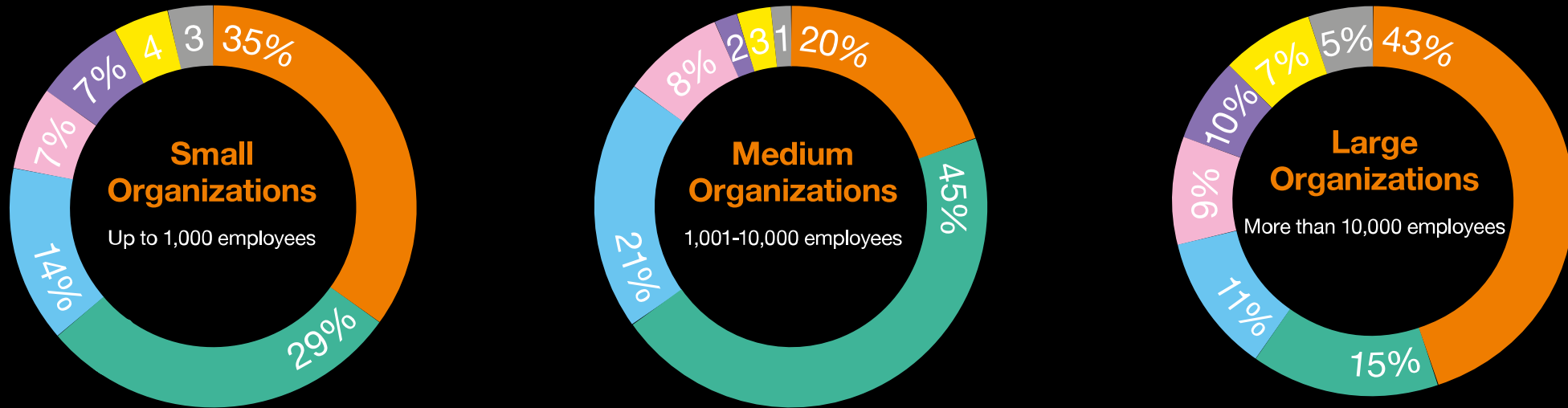


**“Some are weatherwise,
some are otherwise.”**

Being weatherwise to better respond

Security Incidents: Top root causes

Source: Orange Cyberdefense Security Navigator 2022



Malware Network & Applications Account Anomalies System Anomalies Policy Violations Social Engineering Other

#1
38% of all incidents

60,000,000,000
Events



94,806
Investigated Incidents



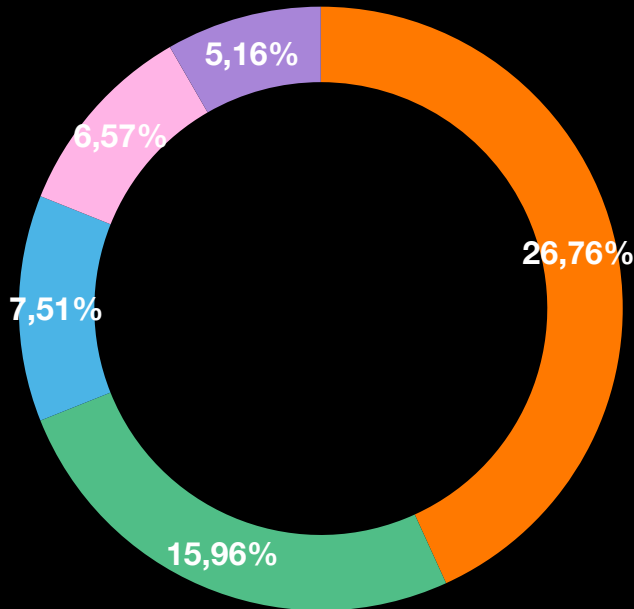
34,158
Confirmed Incidents
(36.03%)

Understanding the climate to continuously adapt

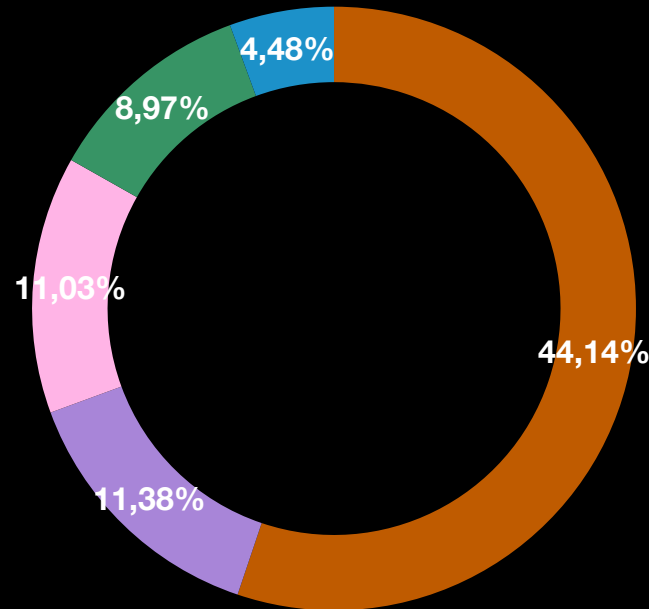
Dark web monitoring: Top 5 ransomware threat actors

Source: Orange Cyberdefense Epidemiology Lab

December 2021



July 2022



LockBit2 Conti Snatch HiveLeaks BlackByte LockBit3 Black Basta ALPHV (BlackCat) LV



Conti retired in June 2022, BlackBasta filled in the gap in a short time period. LockBit comes with new malware in June 2022.

New attack tactics, techniques, and procedures are introduced.



Challenge

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

How to...

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



... make best use
of security
technology?



... focus on real
priorities?



... be agile and
adaptive?



A person with long, wavy hair is seen from behind, holding a transparent umbrella. They are standing in the rain, looking out through a window that is heavily streaked with rainwater. The background outside the window is a blurred, rainy street scene with warm, golden light reflecting off the wet pavement. The overall mood is contemplative and atmospheric.

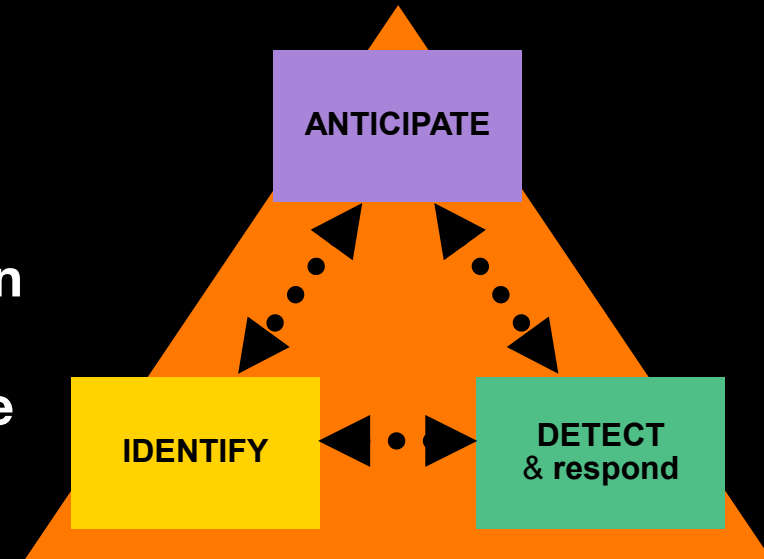
**“Climate is what we expect,
weather is what we get.”**

Intelligence-led security

Collection, validation, aggregation, correlation and analysis of both **internal and external data**

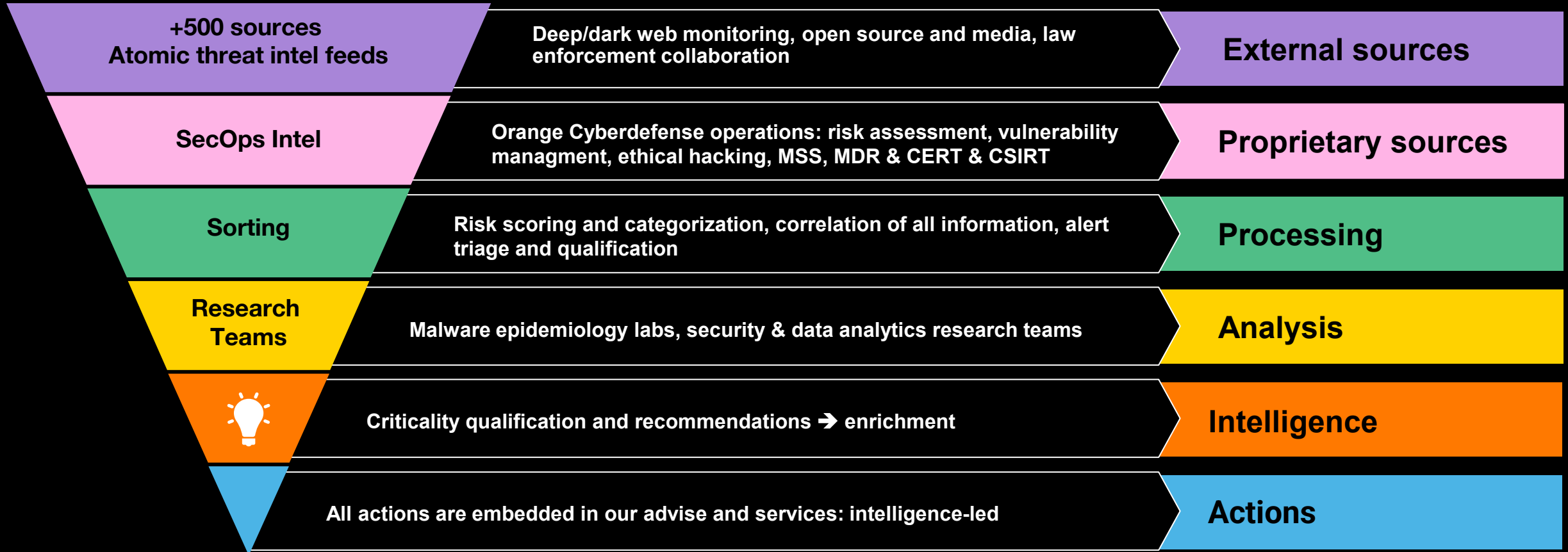
- **Collect** *diverse* security intelligence
- **Correlate** that with what's known / seen on the customer estate
- Determine what **actions** we and the customer need to take in response to intelligence
- **Close the loop**' to gather additional intelligence to determine how we & our customers are affected.

So that we can be **agile and adaptive** in the face of a continuously changing threats.



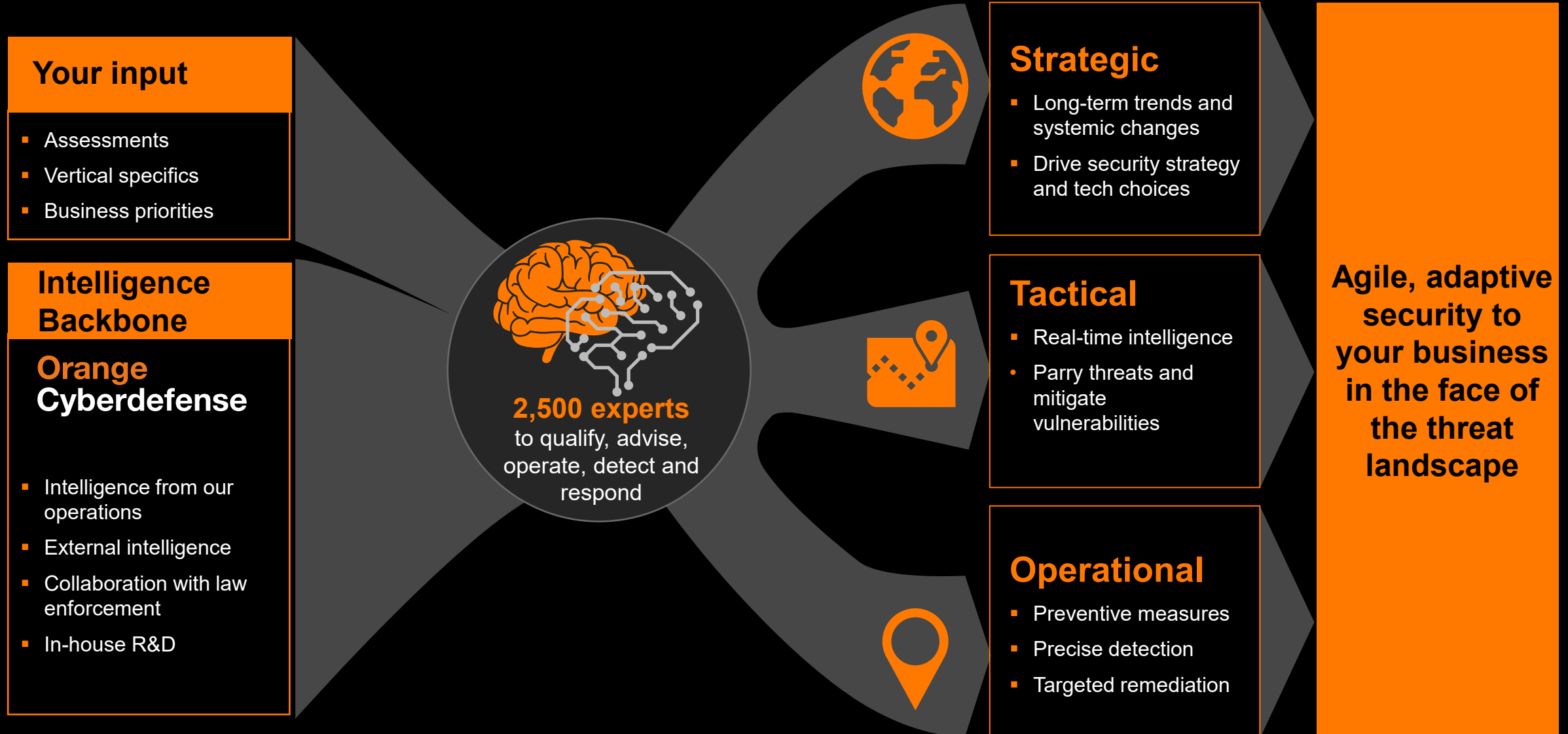
Not all intelligence is made equal

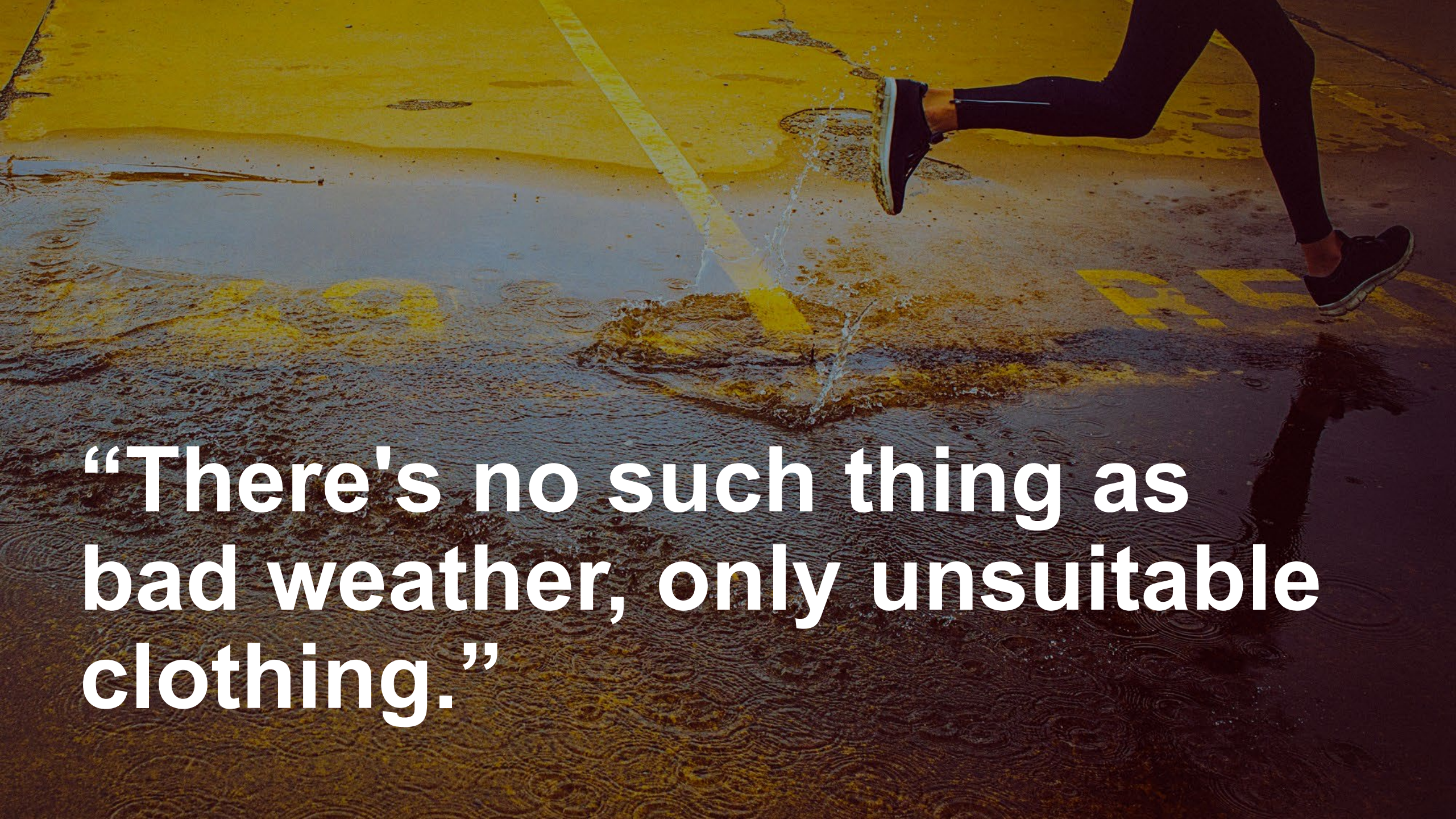
Our intelligence goes beyond IoCs: the path achieving actionable intelligence



Benefit from our intelligence-led security

Better respond to the weather, anticipate and adapt to the climate





**“There's no such thing as
bad weather, only unsuitable
clothing.”**

Strategic intelligence-led security

Drive security strategy, roadmap and technology choices

Free insights from our Threat Researchers, available to all.



Assessment and Advisory services:



Cybersecurity advisors to assess your existing security posture (organizational and technical).



Consultants to evaluate and improve your cybersecurity strategy.



Technical experts to advise you on your security architecture.

Operational & tactical intelligence-led security

Adopt timely preventive measures, improve threat detection and remediation



Our solution : Managed Cybercrime Monitoring



Managed Cybercrime Monitoring [brand]

Monitoring of web, mobile
and social channels.



Managed Cybercrime Monitoring [data]

Proactive identification of
potential data exposure
across diverse sources



Managed Cybercrime Monitoring [fraud]

Surveillance of fraudulent
activity.

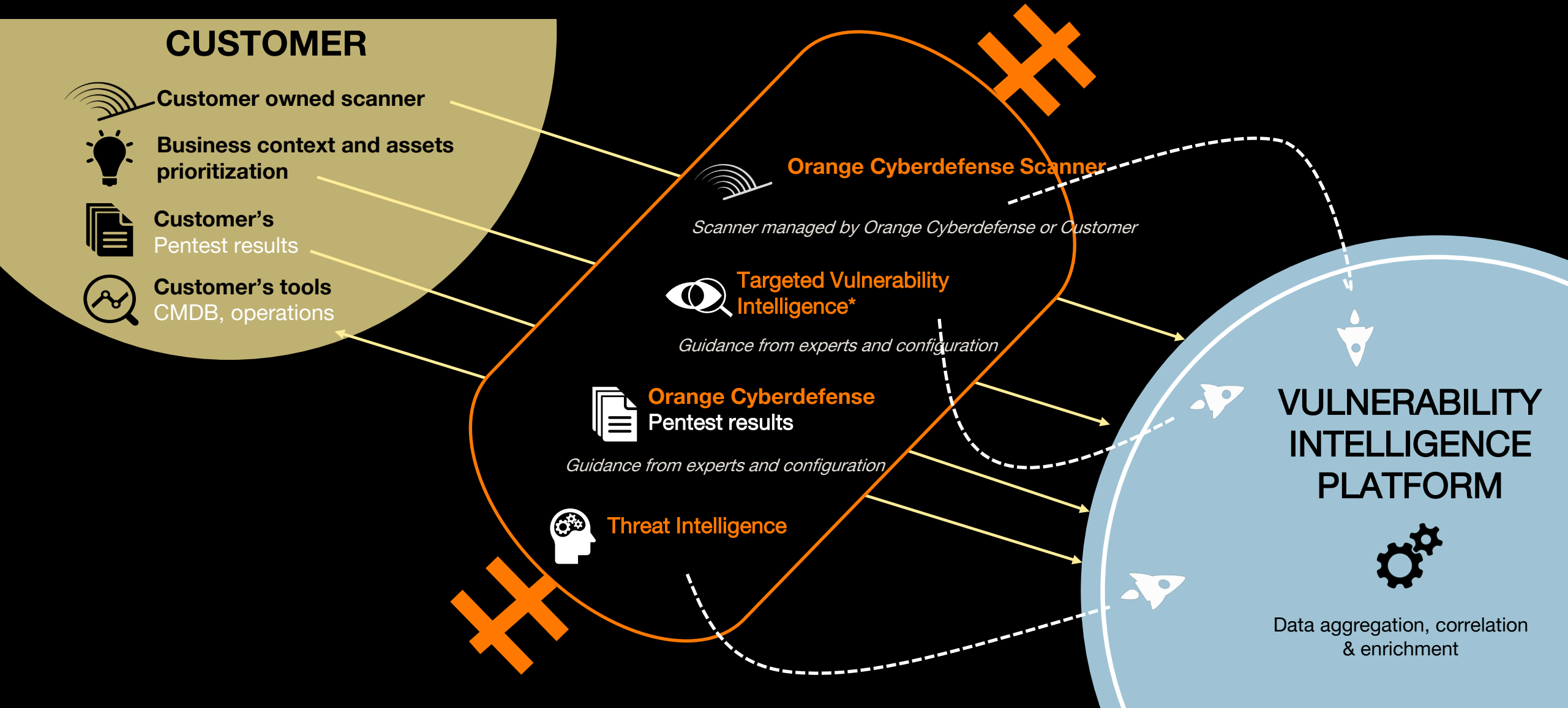


Managed Cybercrime Monitoring [email]

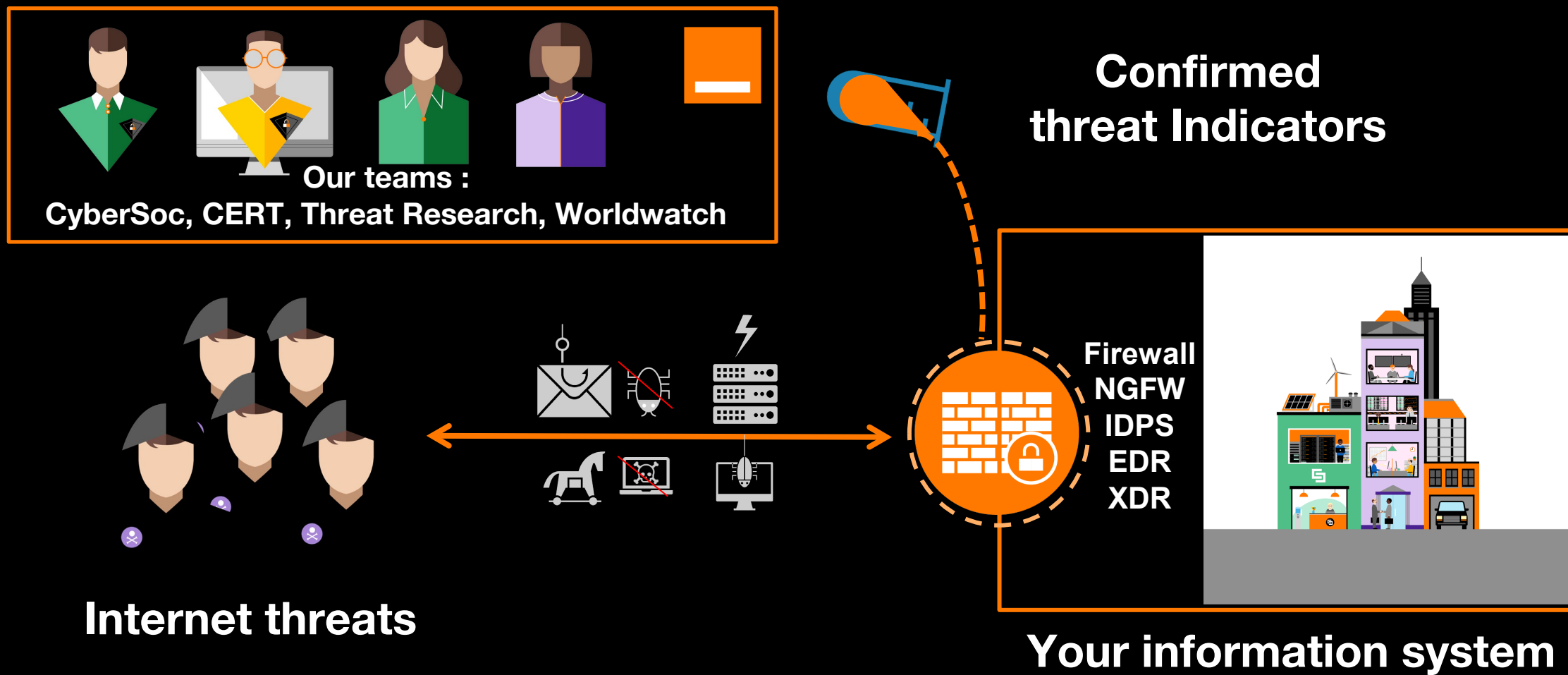
Advanced mail analysis,
employee security
awareness and IOC
collection

Our solution: Managed Vulnerability Intelligence [identify]

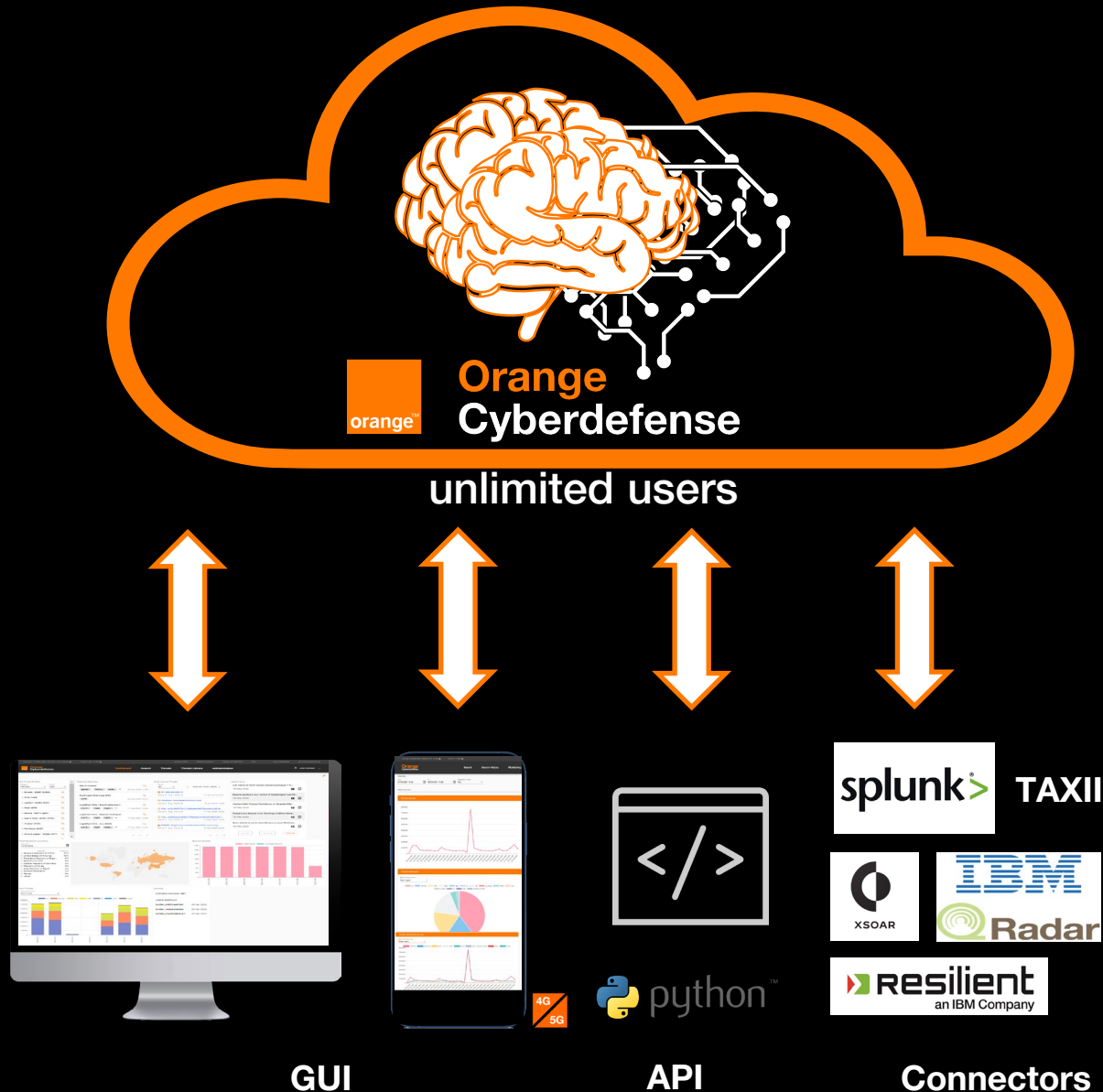
All vulnerability related data consolidated in the Vulnerability Intelligence Platform



Our solution : Managed Threat intelligence [protect]



Our solution : Managed threat intelligence [detect]



Enhance your detection

- Feed and lookup service for your SIEM, SOAR, TIP
- Alerting service about new threats relative to a vulnerability
- 500 sources, 900 000 new IOC/day, Threat library (TTP, campaign, threat actors, malware, tools)

Outsource with confidence your threat intelligence source management

Qualified data

Leverage manage service of OCD CyberSOC, CERT (telemetry, sighting)

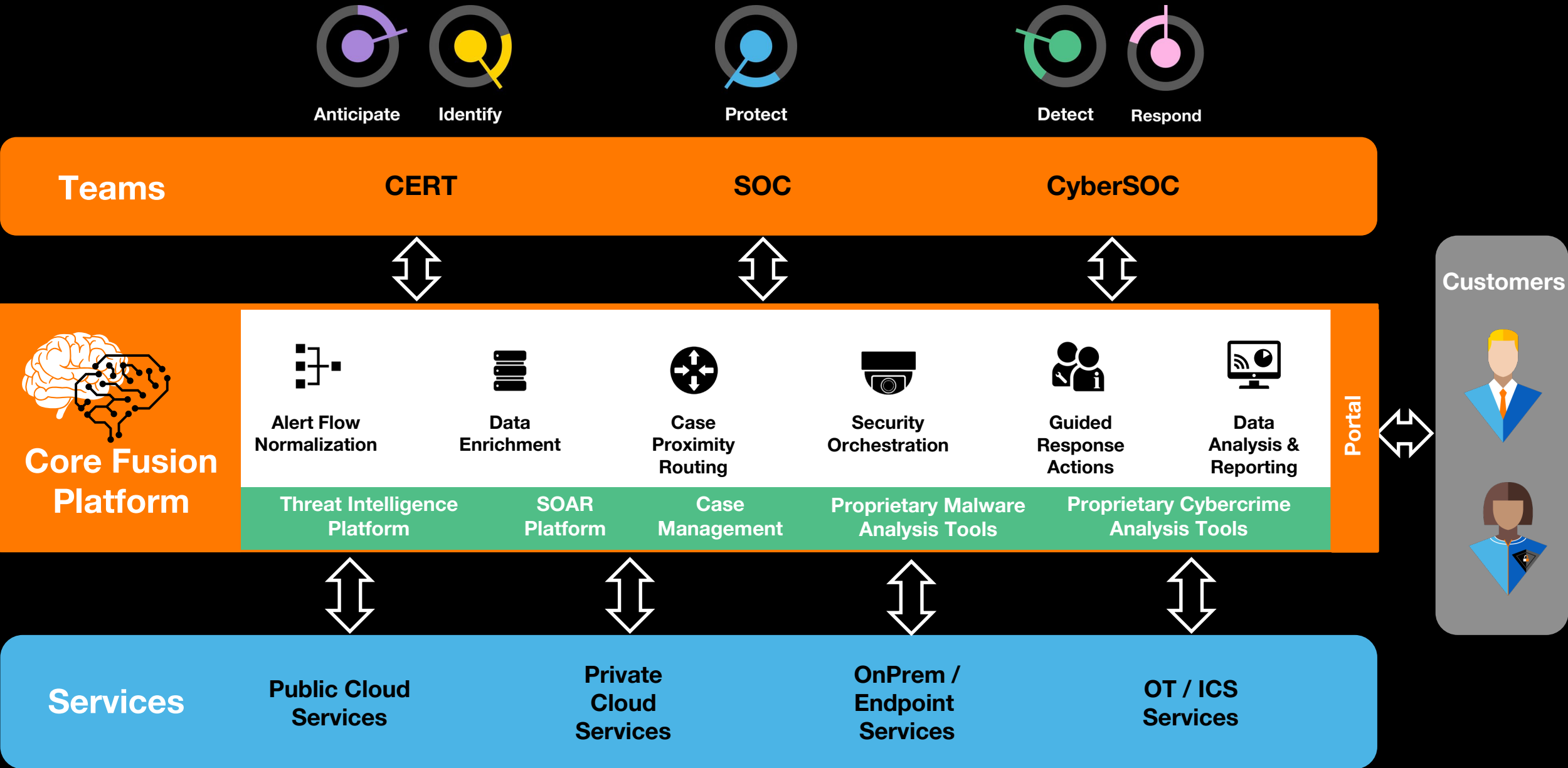
Maintenance of sources over the time, Erosion management.

Evaluation of additional sources by CERT OCD.

Easy to use

- Webapp, API swagger, Command line tool, python SDK, unlimited users.

Operational synergies via Core Fusion



- Orange Cyberdefense feeds
- Orange data
- Public sources
- Commercial sources
- Private/Community feeds

**More than 500
data sources**

- Raw data is enriched by our tools and experts to get qualified information
- Information is scored & IoCs regularly checked
- Used by our own Cybersecurity experts to assist investigations

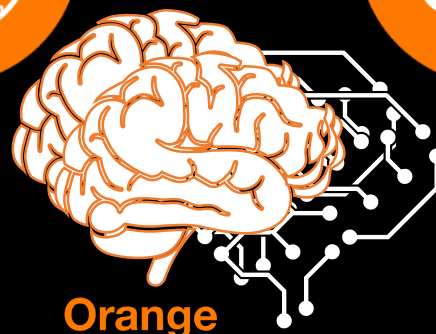
**Enriched, analyzed,
evaluated**

Large and Diverse dataset

- Various data types: email, URL, IP, domain names, cryptocurrency wallets, pasties...
- 2 Millions news threats added / day
- Input from Security Research team, Malware Analysis lab, CERT, CSIRT, Vulnerability Intelligence experts and Security Analysts

Flexible Use Cases

- Integrated into Managed Detection and Response operations
- Available via UI for customers
- Available as curated threat feed to stream into customer protection tools (such as Next-Gen Firewalls, Secure Web Gateways etc.)**



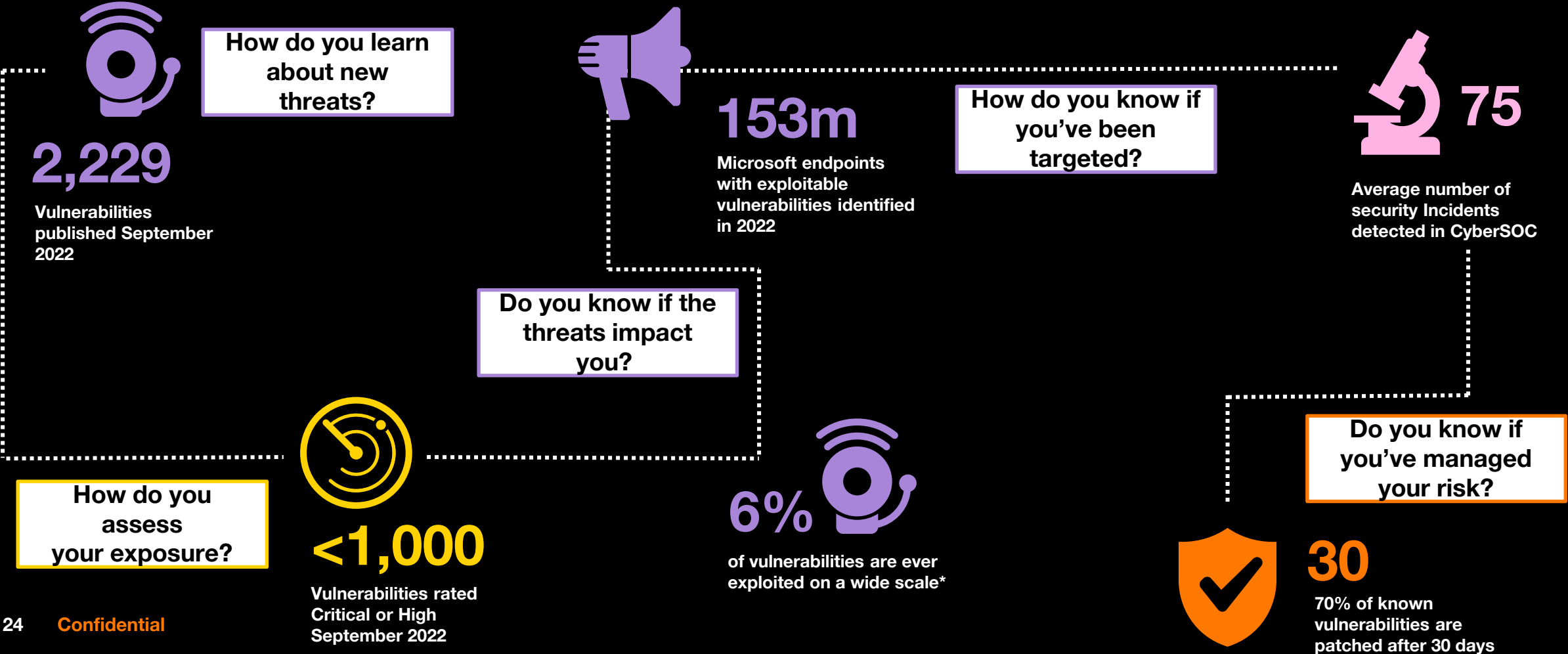


Get ahead of the storm.

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

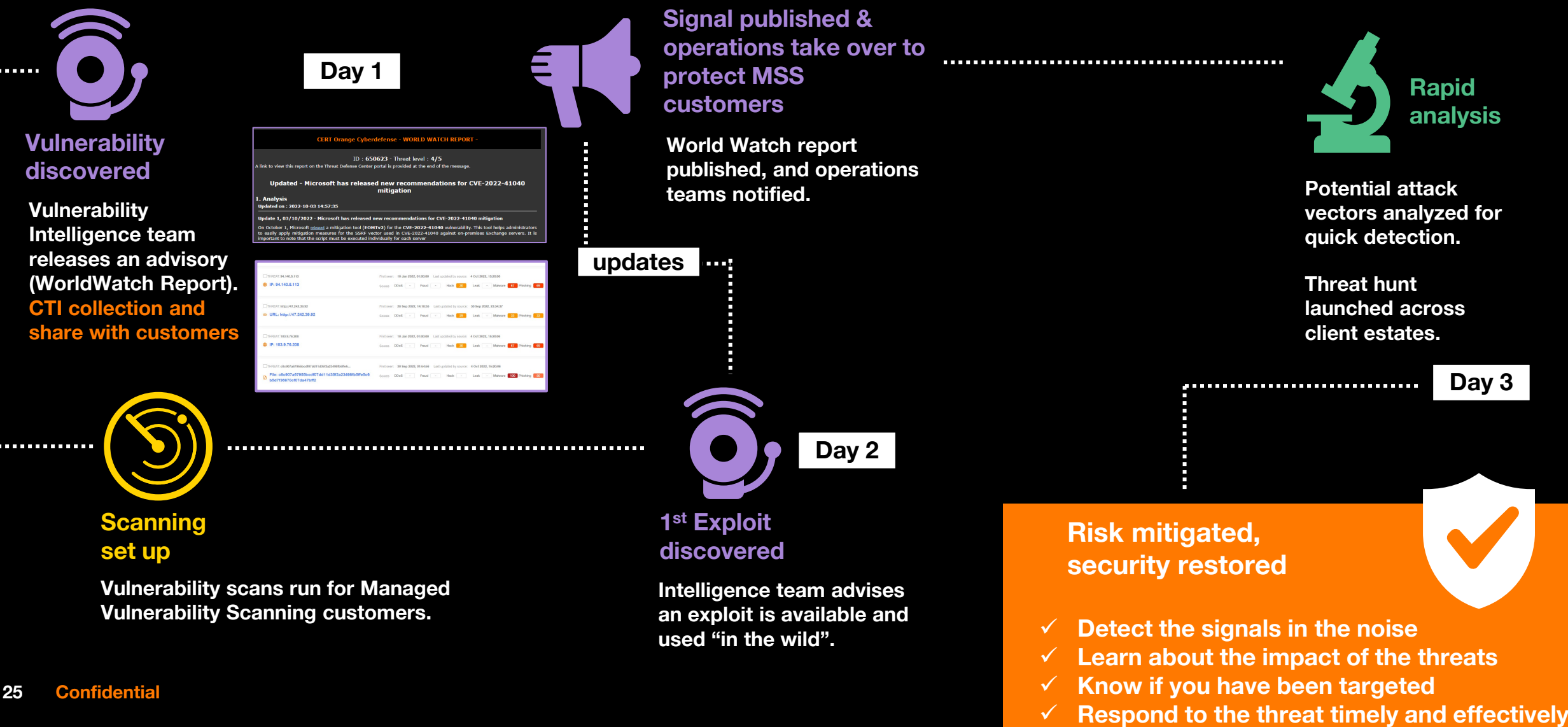
How do you manage your risk without intelligence-led security?

A timeline of a vulnerability



The value-add of intelligence-led security

A timeline of defense for a vulnerability like ProxyNotShell



We enable organization with proactive protection and faster response

- **Proprietary threat use-cases, response playbooks and embedded threat intelligence.**
- **In-house CSIRT / CERT, malware analysis, proprietary 3rd-gen sandbox and Signal Intelligence lab.**
- **Threat Alliances with key Vendors, Governments and International Organizations.**
- **Monitoring of IT, OT and Cloud environments**



**Intelligence-led
security for your
advantage**





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

So you can...

...demonstrate
security ROI.



...adopt
appropriate
solutions and
services.



...accurately
detect current
campaigns.



...manage
relevant, current
threats.





**Our intelligence,
your advantage.**

Orange Cyberdefense

Build a safer digital society.