

Orange
Cyberdefense

Ahead of the Storm

How to get ahead of the storm by leveraging threat intelligence

Hans Stevens, Head of Solution Design



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

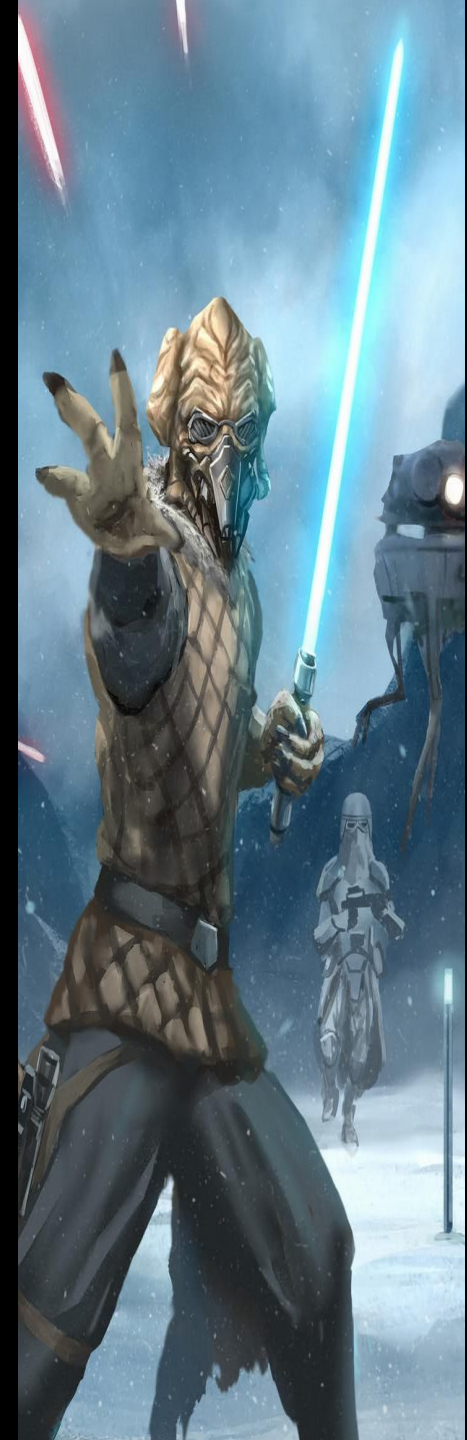
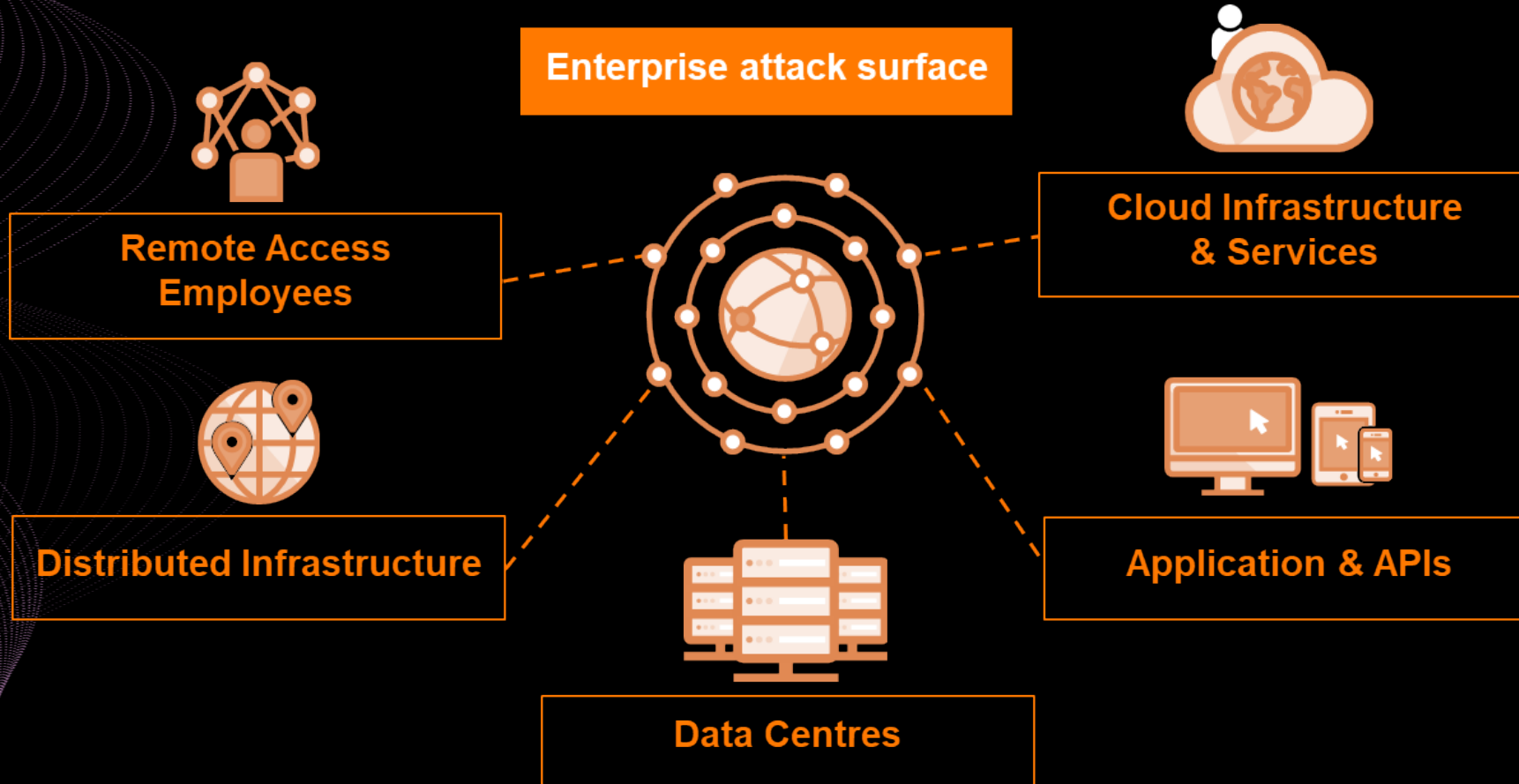
Work from anywhere



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

A Gartner Research

Risk exposure, is it worth the risk?





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?**

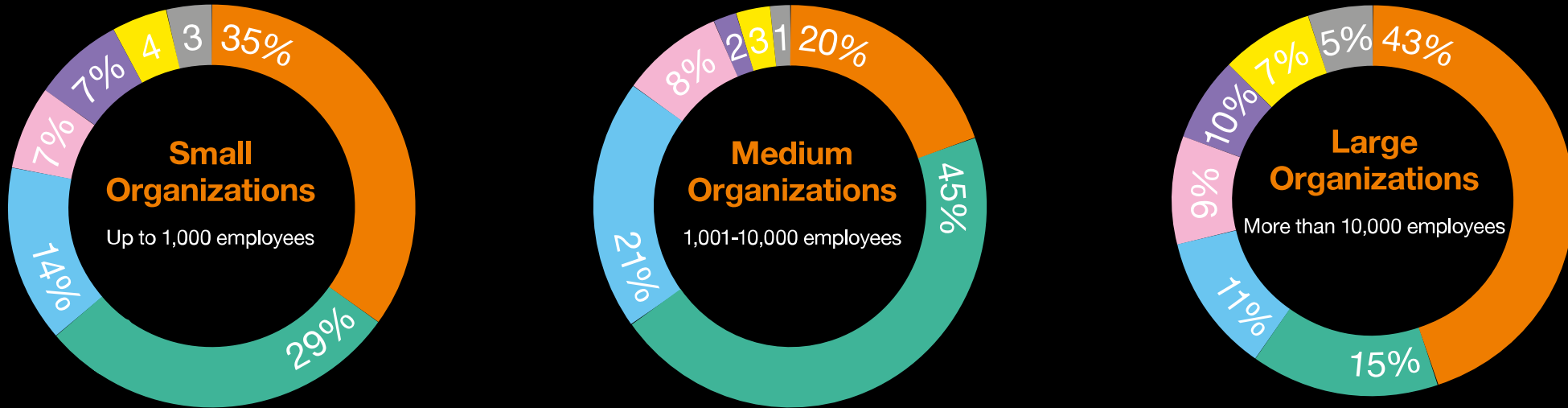
A woman with long, wavy blonde hair is shown in profile, looking out a window. Her hair is blowing in the wind. She is wearing a black and white striped shirt. The background outside the window is a lush green landscape with trees and hills under a clear sky. The lighting is soft and natural, suggesting daytime.

**“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

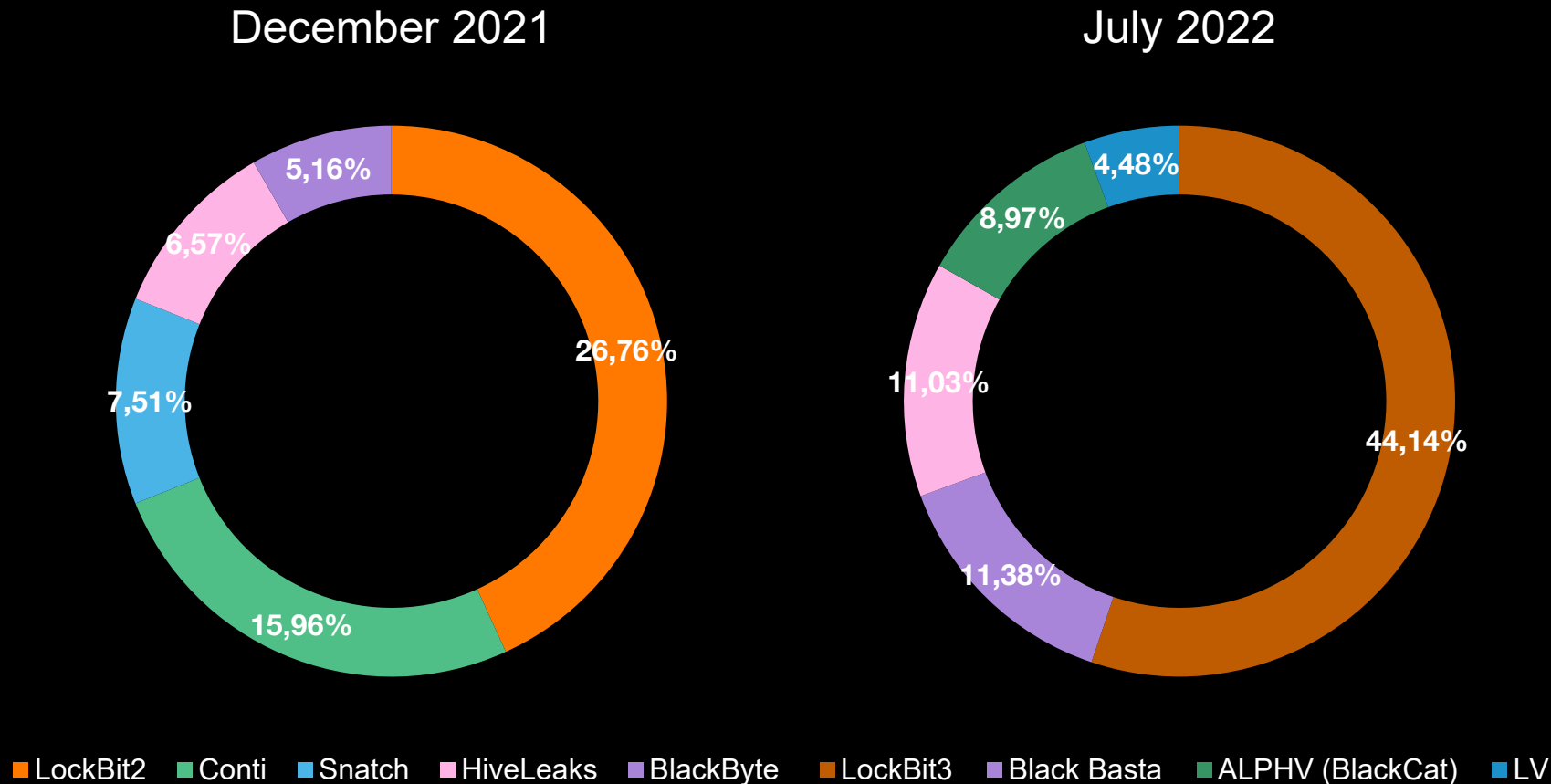


34,158
Confirmed Incidents
(36.03%)

Understanding the climate to continuously adapt

Dark web monitoring: Top 5 ransomware threat actors

Source: Orange Cyberdefense Epidemiology Lab



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 is seen from behind, holding a transparent umbrella in the rain. The background is a blurred view of a city street with buildings and a yellow light source, possibly a street lamp or traffic light, creating a warm glow. The rain is visible as streaks and droplets on the umbrella and in the air. The overall mood is contemplative and atmospheric.

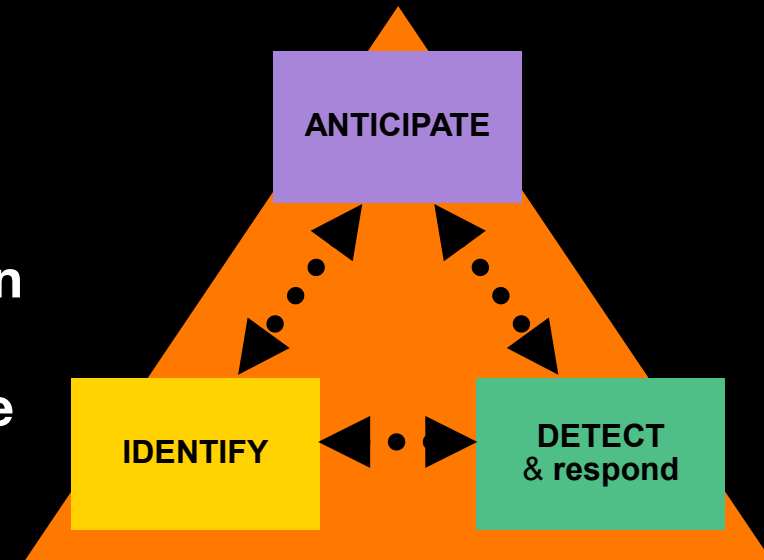
**“Climate is what we expect,
weather is what we get.”**

Intelligence-led security

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

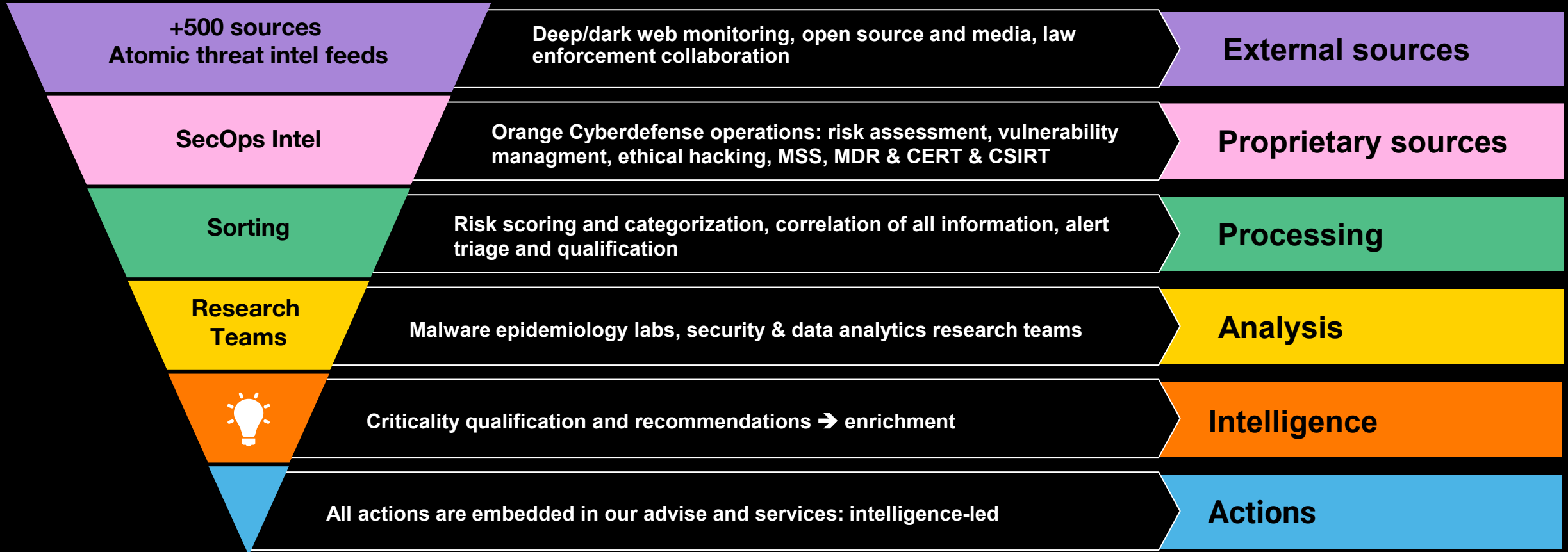
- **Collect** *diverse* security intelligence
- **Correlate** that with what's known / seen on the customer estate
- Determine what **actions** we and the customer need to take in response to intelligence
- **Close the loop**' to gather additional intelligence to determine how we & our customers are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

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



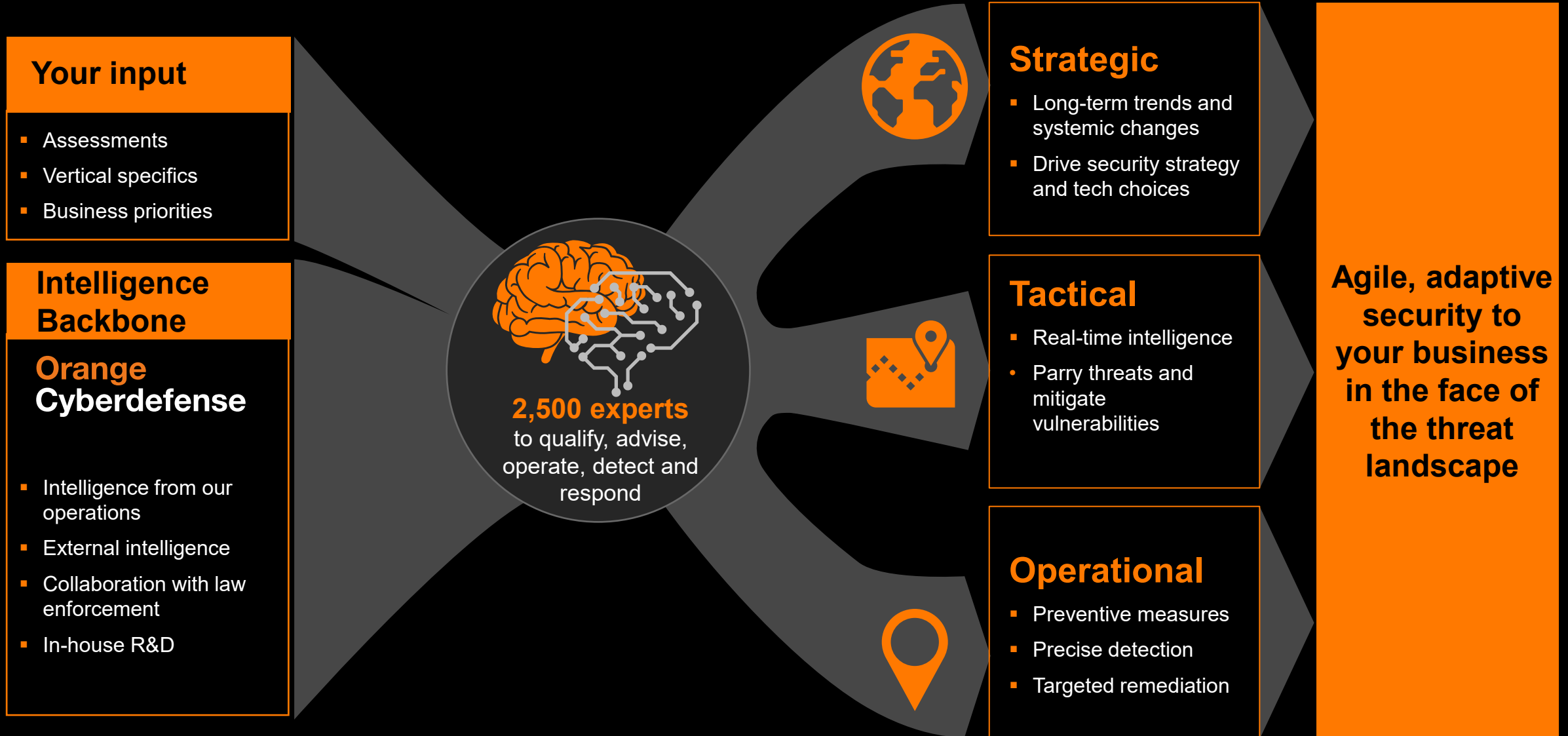
Not all intelligence is made equal

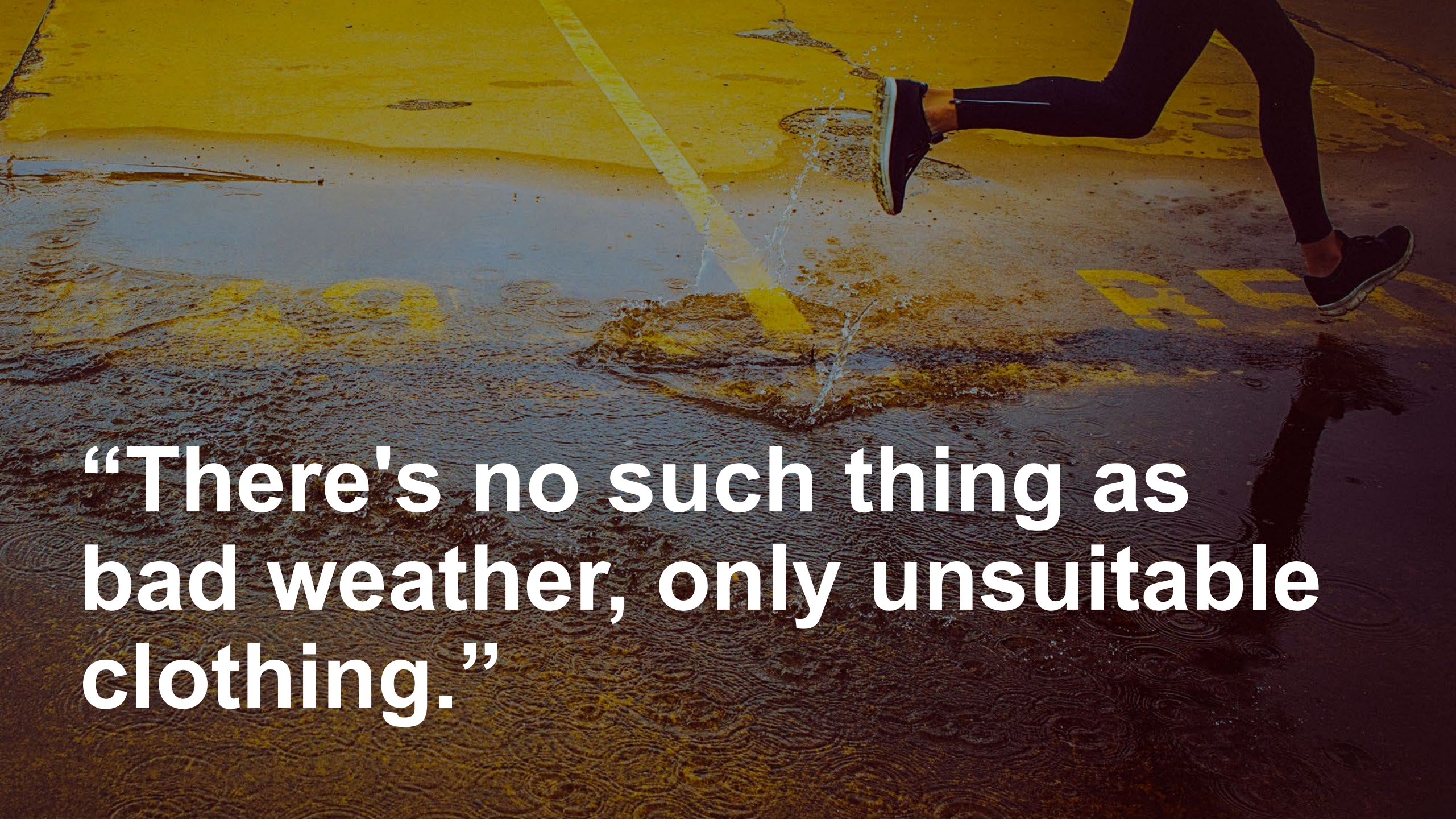
Our intelligence goes beyond IoCs: the path achieving actionable intelligence



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.



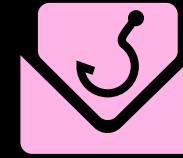
Managed Cybercrime Monitoring [data]

Proactive identification of potential data exposure across diverse sources



Managed Cybercrime Monitoring [fraud]

Surveillance of fraudulent activity.

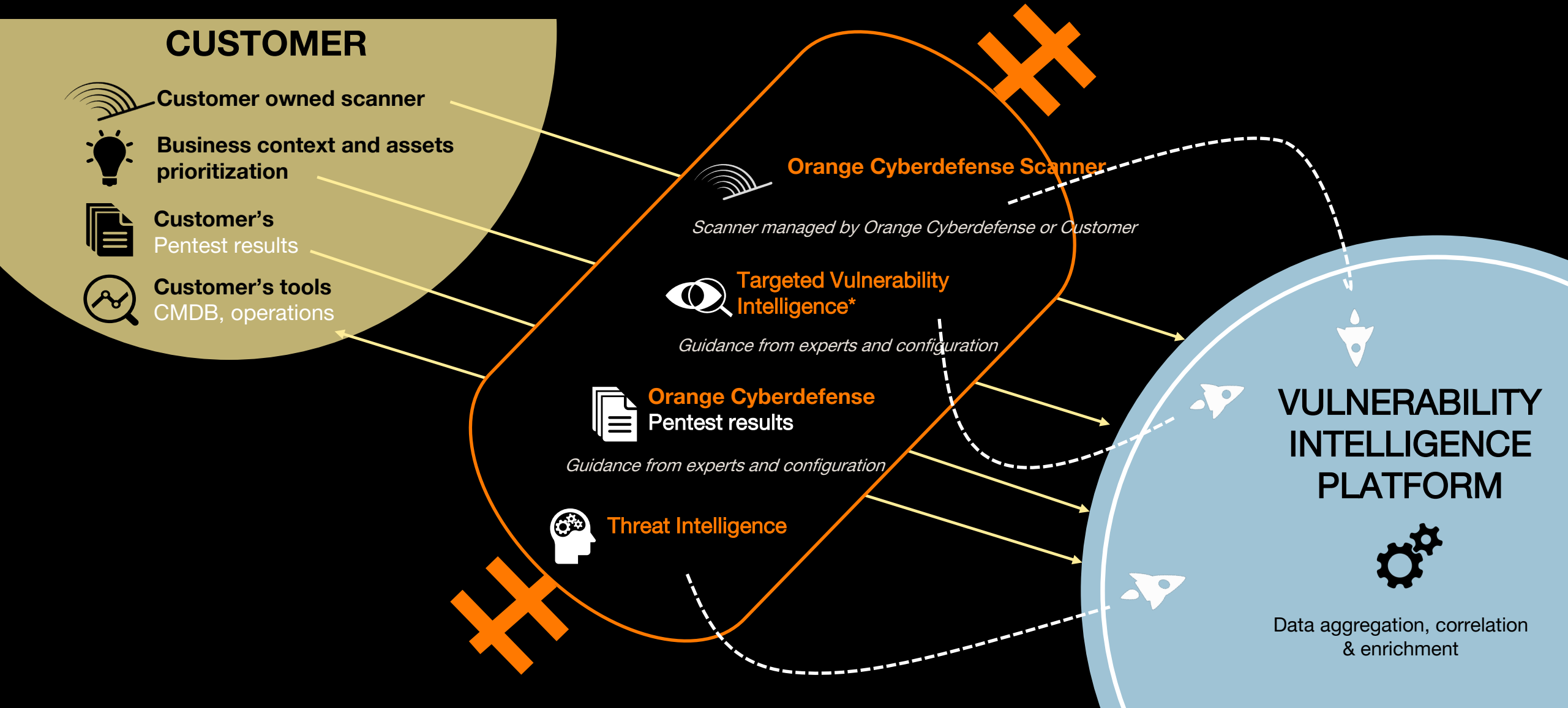


Managed Cybercrime Monitoring [email]

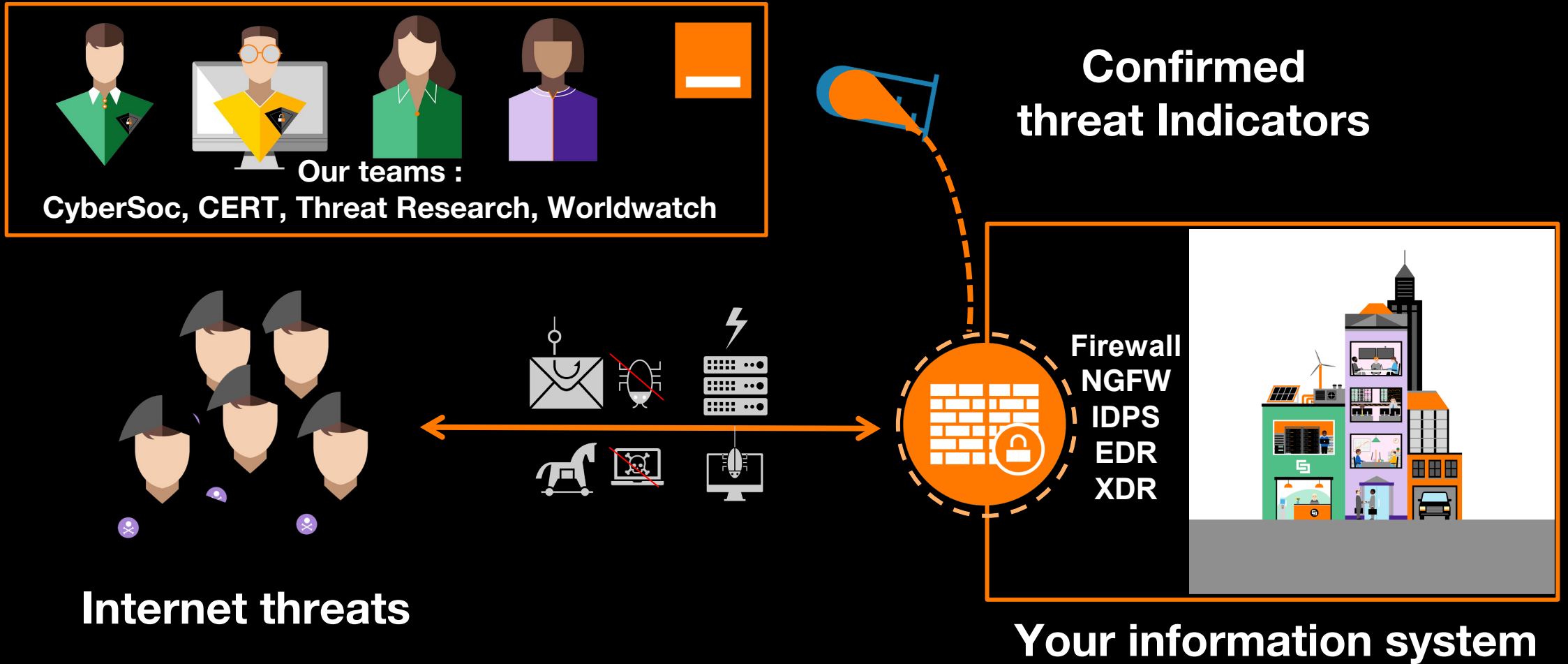
Advanced mail analysis, employee security awareness and IOC collection

Our solution: Managed Vulnerability Intelligence [identify]

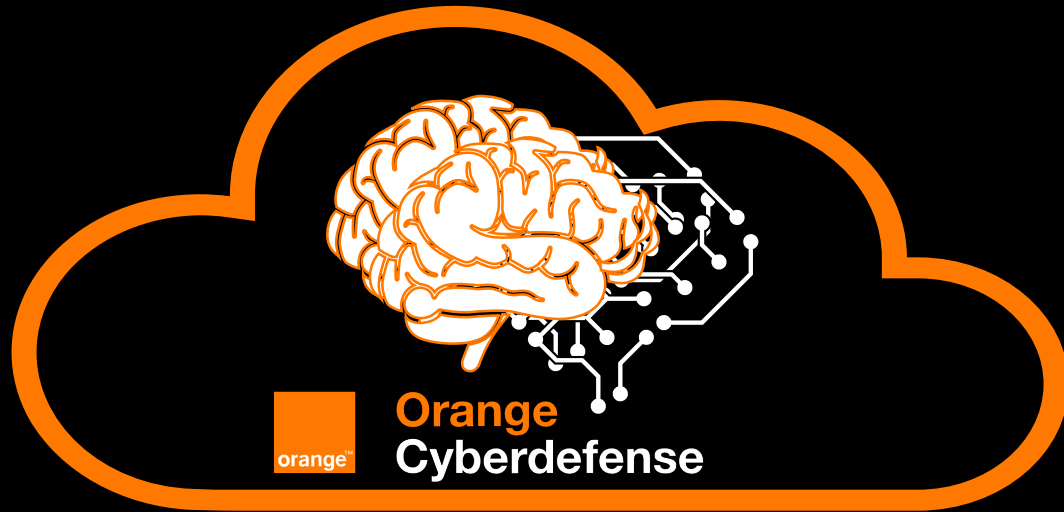
All vulnerability related data consolidated in the Vulnerability Intelligence Platform



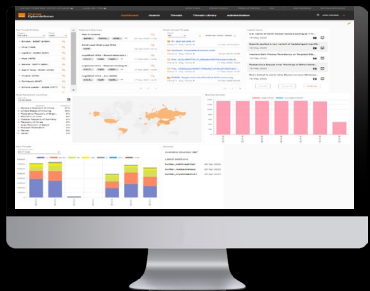
Our solution : Managed Threat intelligence [protect]



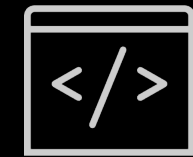
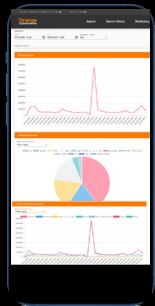
Our solution : Managed threat intelligence [detect]



unlimited users



GUI



API



Connectors

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



Anticipate



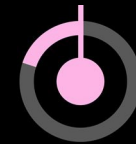
Identify



Protect



Detect



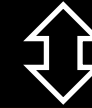
Respond

Teams

CERT

SOC

CyberSOC



Core Fusion Platform



Alert Flow Normalization



Data Enrichment



Case Proximity Routing



Security Orchestration



Guided Response Actions



Data Analysis & Reporting

Portal

Threat Intelligence Platform

SOAR Platform

Case Management

Proprietary Malware Analysis Tools

Proprietary Cybercrime Analysis Tools



Services

Public Cloud Services

Private Cloud Services

OnPrem / Endpoint Services

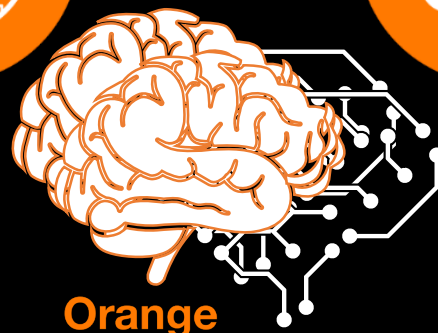
OT / ICS Services

Customers



- 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**

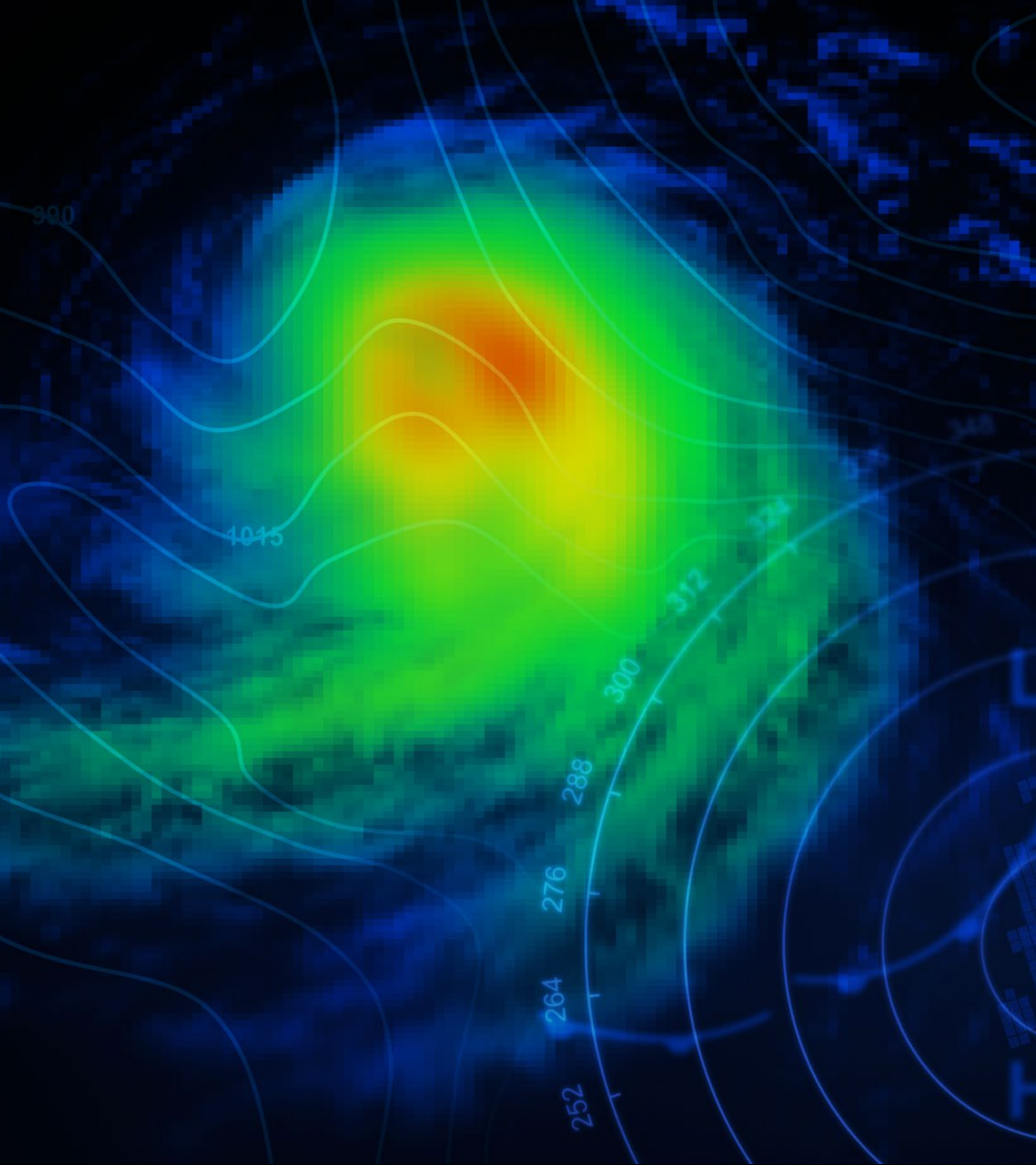
Large and Diverse dataset

- 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.)**

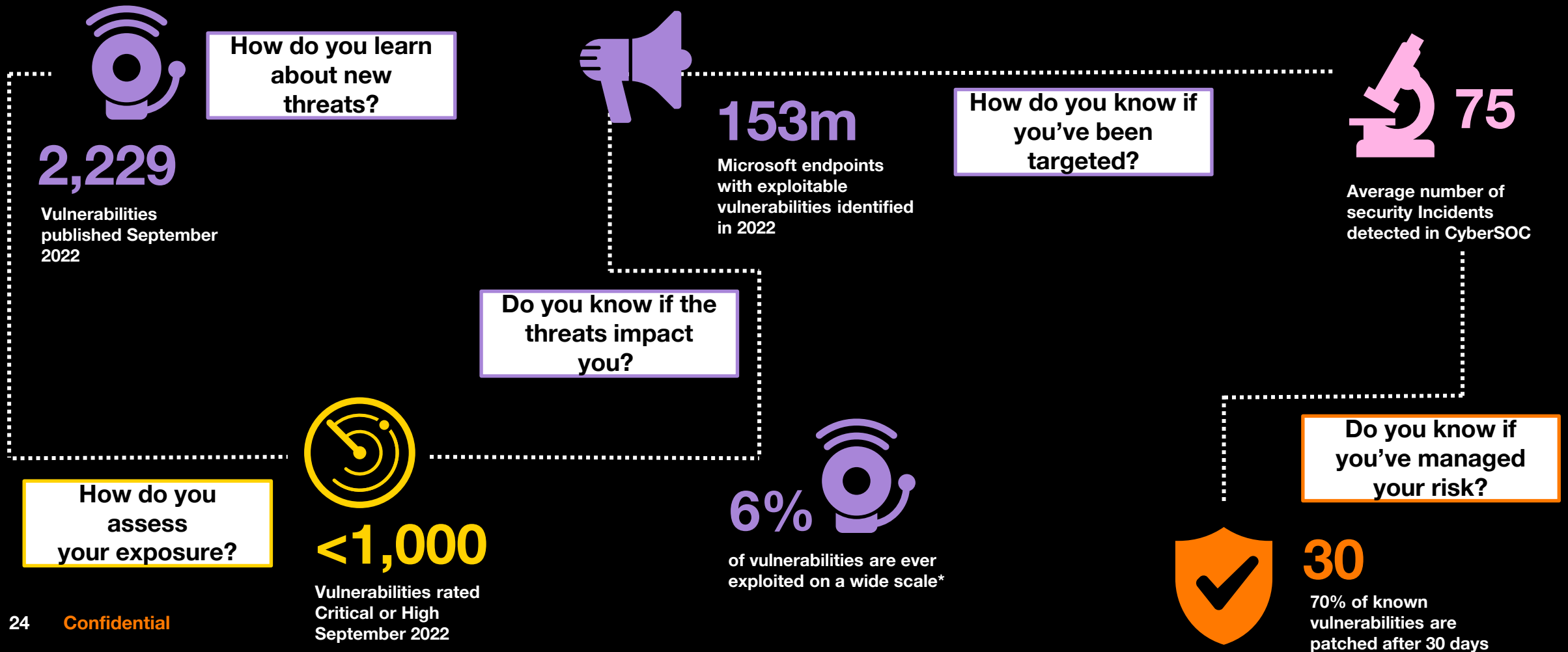


**Get ahead of
the storm.**

**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



Vulnerability discovered

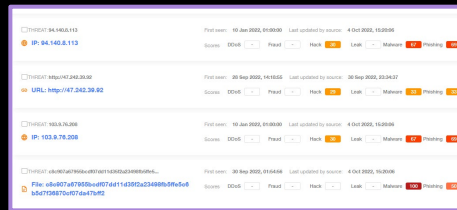
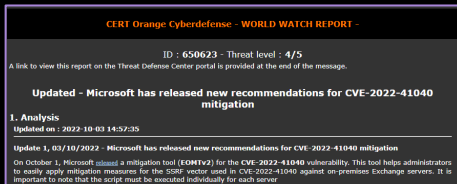
Vulnerability Intelligence team releases an advisory (WorldWatch Report). CTI collection and share with customers



Scanning set up

Vulnerability scans run for Managed Vulnerability Scanning customers.

Day 1



Signal published & operations take over to protect MSS customers

World Watch report published, and operations teams notified.

updates



Day 2

1st Exploit discovered

Intelligence team advises an exploit is available and used “in the wild”.



Rapid analysis

Potential attack vectors analyzed for quick detection.

Threat hunt launched across client estates.

Day 3

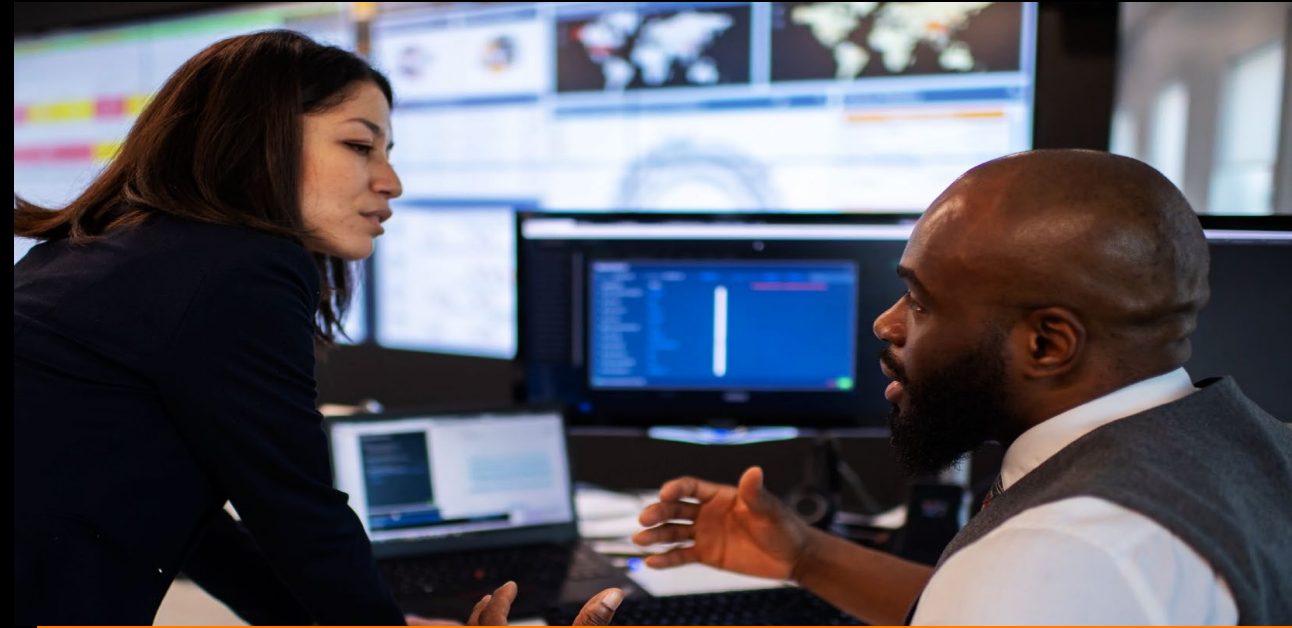
Risk mitigated, security restored



- ✓ Detect the signals in the noise
- ✓ Learn about the impact of the threats
- ✓ Know if you have been targeted
- ✓ Respond to the threat timely and effectively

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**



So you can...

...demonstrate security ROI.



...adopt appropriate solutions and services.



...accurately detect current campaigns.



...manage relevant, current threats.



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



**Our intelligence,
your advantage.**

Orange Cyberdefense

Build a safer digital society.