



AI Enigma Chapter Two

AI and Cyber Security After Covid-19

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INGRAM MICRO META



ΛΙΣΝΙΓΜΑ

Decode

Community

Insights

Expertise

Solutions

Interact

Business

Upcoming Next

- AI Against Covid-19
- Cyber Security Challenges After Covid-19
- AI Implementation: Cyber Defense
- AI Implementation: Cyber Crime
- Cyber Security in an AI-Driven World

Post Covid-19 World Challenges

HealthCare

- Developing Vaccine for Covid19
- Over utilization of medical Resources
- Diagnosis & Consultation

Mitigating the spread of the virus

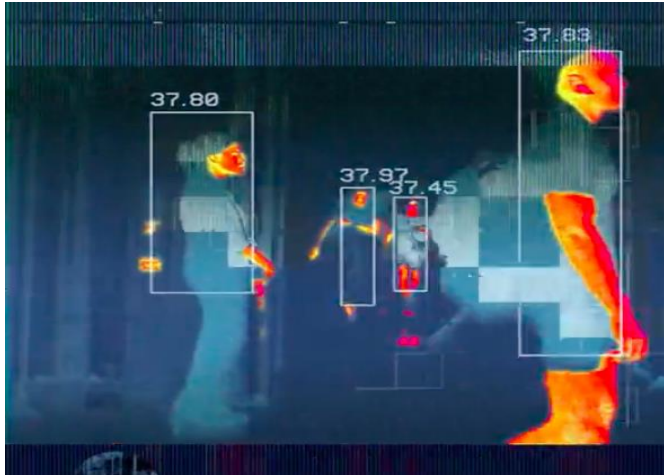
- Covid19 symptoms Detection
- Providing accurate information and the required precautions

Business Continuity

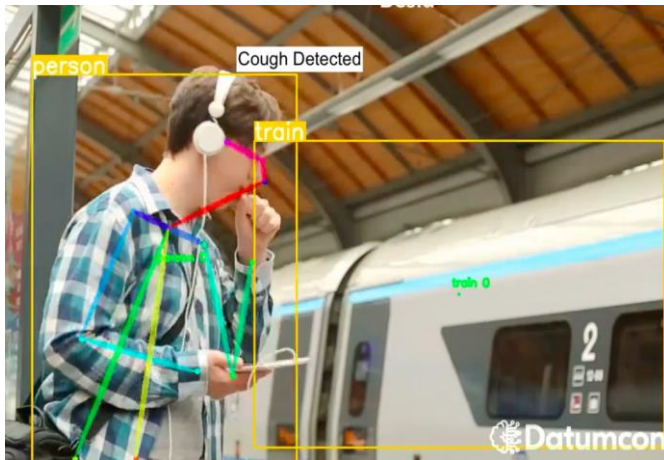
- Offices reopening
- Logistics & Supply Chain Challenges

Cyber security

AI for Covid-19 Detection

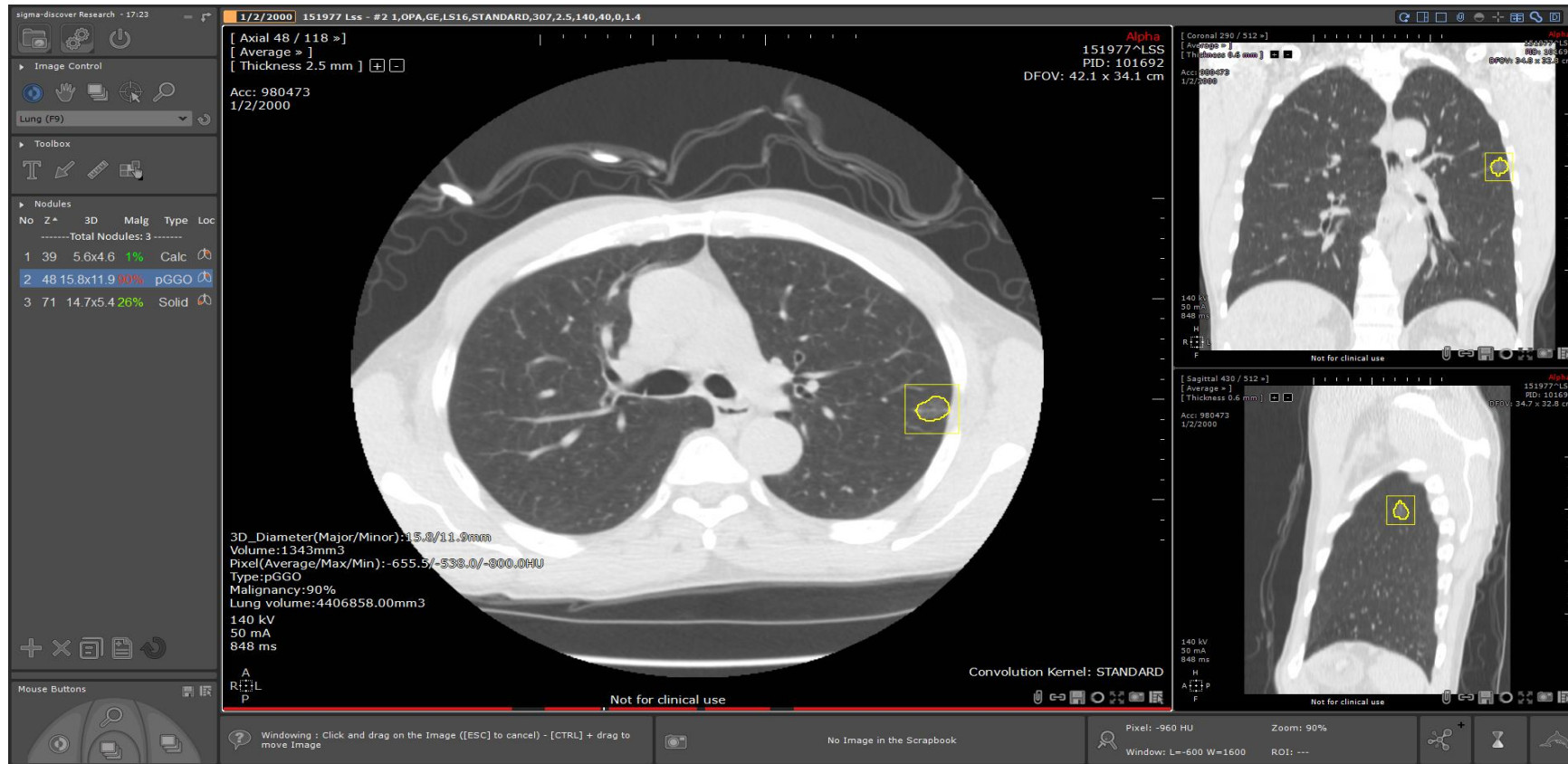


- Automatic detection of fever in crowded environments.
- Detect subjects coughing and sneezing.
- Track possible symptomatic subjects.
- Automated Detection and Tracking of Subjects w/o masks.
- Social distancing with visual alerts feedback.
- People counting



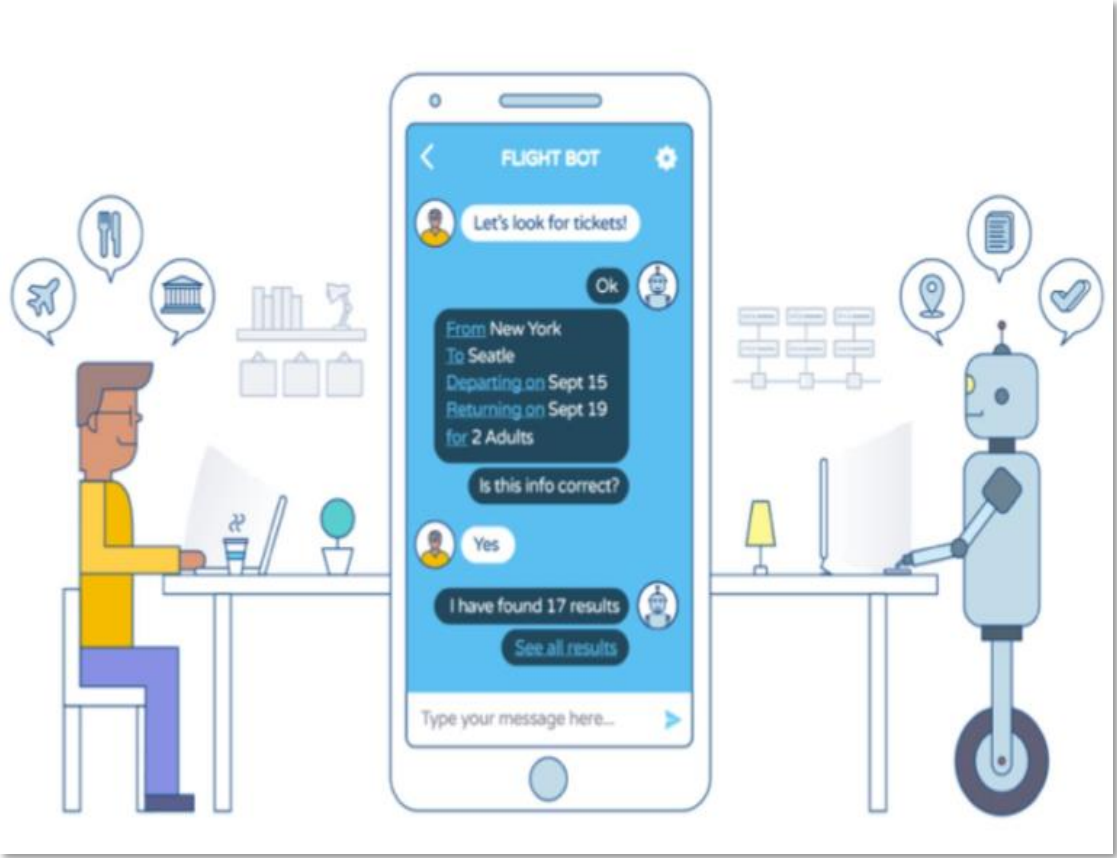
Smart Health Platform

One Platform Supports Multiple Clinical Departments Simultaneously



Lung Nodule Diagnosis and Quantification

Chatbots & Virtual Clinics



Accelerating Research to Fight Covid-19



AI text and data mining tools can uncover the virus' history, transmission, and diagnostics, management measures, and lessons from previous epidemics.



Deep learning models can help predict old and new drugs or treatments that might treat COVID-19.

Supply Chain Capacity Planning & Tracking

1

Delivery Orders constraints, Capacity



2

Optimized Planning



3

- 1. Decreased Mileage
- 2. Increased tons/mile
- 3. Decreased cost/mile



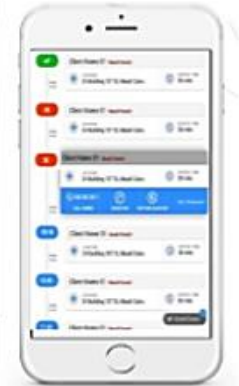
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Execution & Data Collection with Work Order Management



Machine Learning

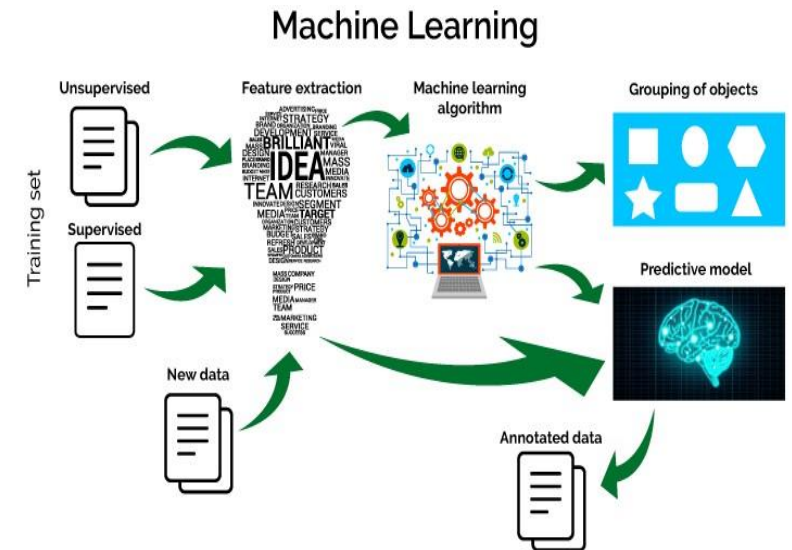
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Inventory Optimization and Demand Forecasting

Optimize the supply level of every inventory item

- The AI model will reveal any hidden relationships between variables that may be damaging to efficiency.
- Prevent inventory items running out of stock.
- Prevent prolonged, unsustainably high stock value levels.
- Reliable and accurate ordering within a safe window before demand.
- Overall, significant reduction in costs.





Cyber Security in an AI-Driven World



AI & Cyber Security

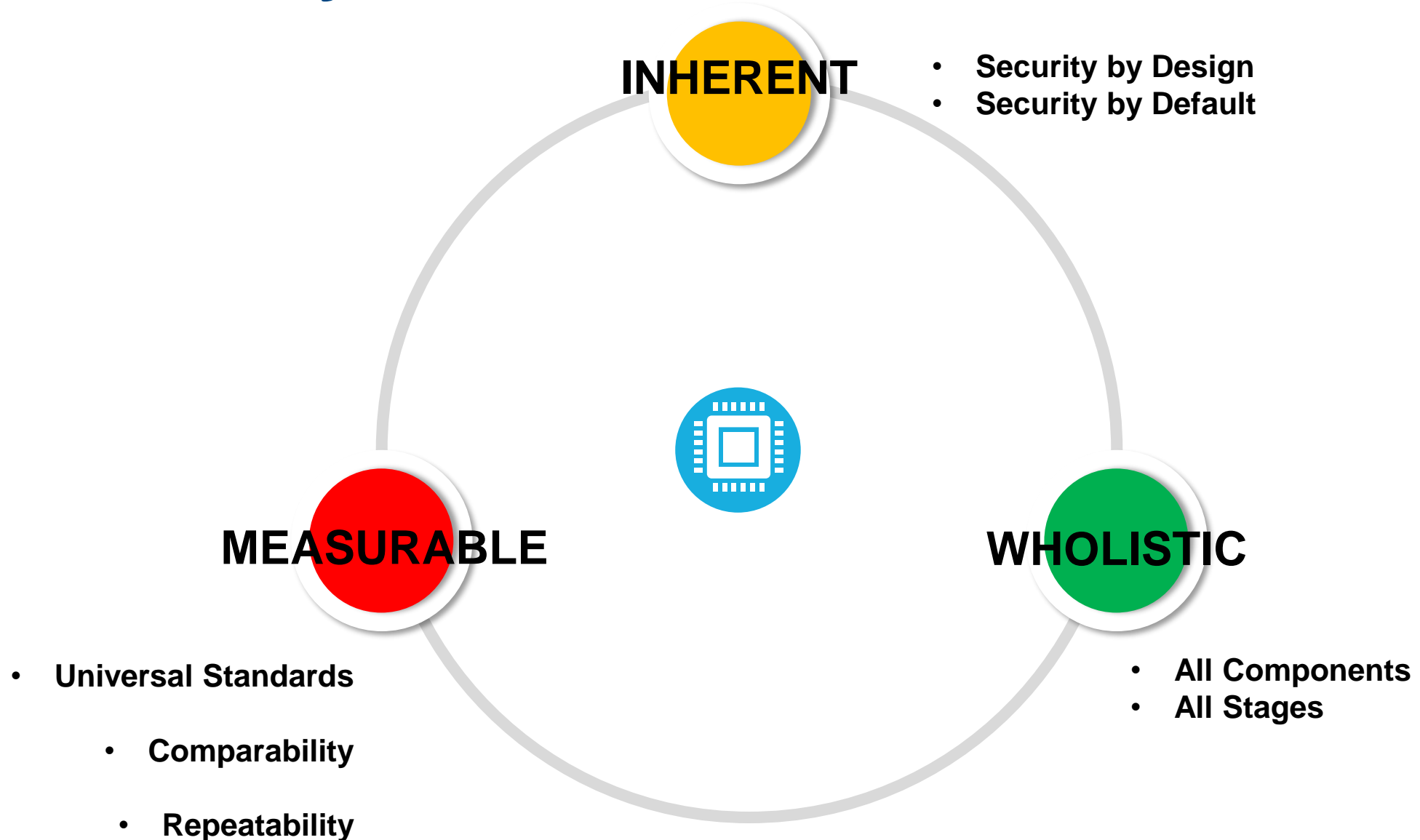
Cyber
Defense

AI



Cybercrime

Cyber Security in an AI-Driven World

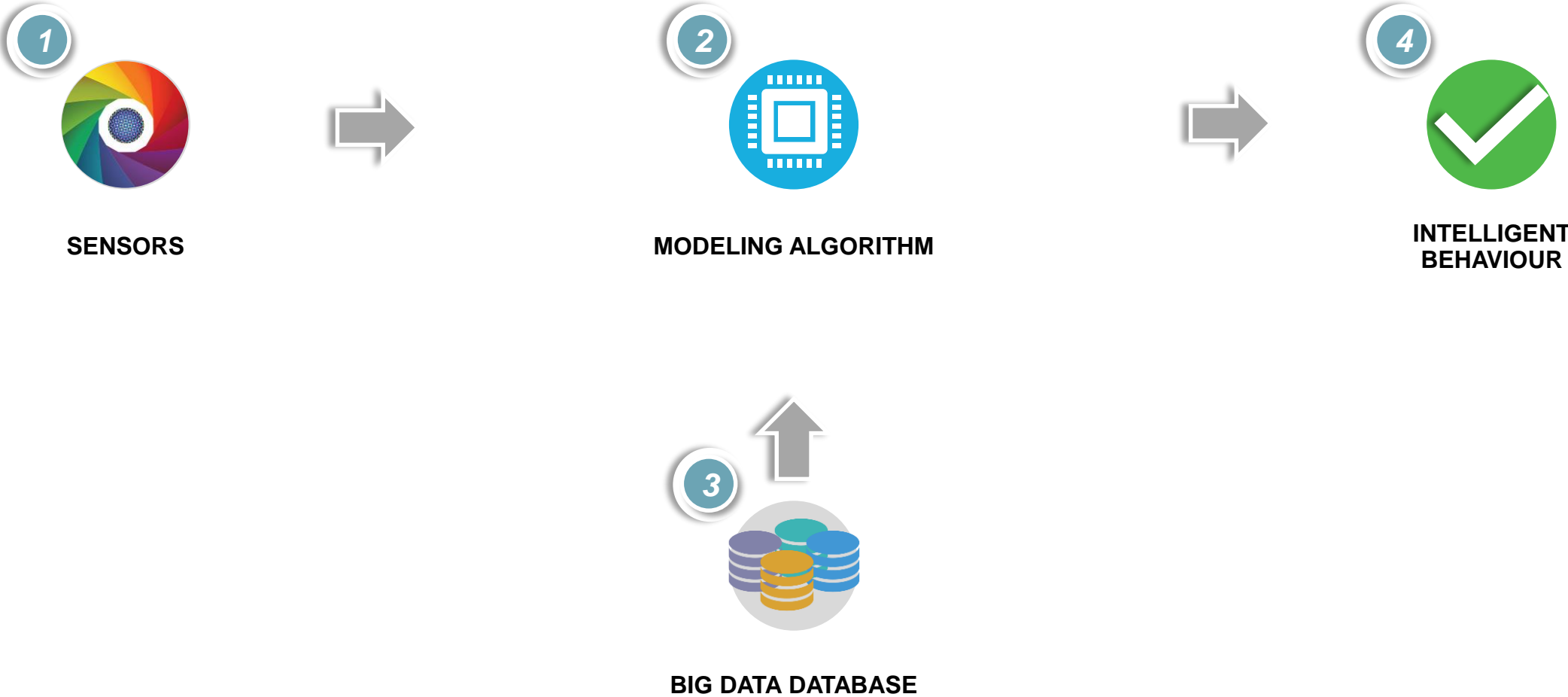




AI Implementations in Cyber Defense

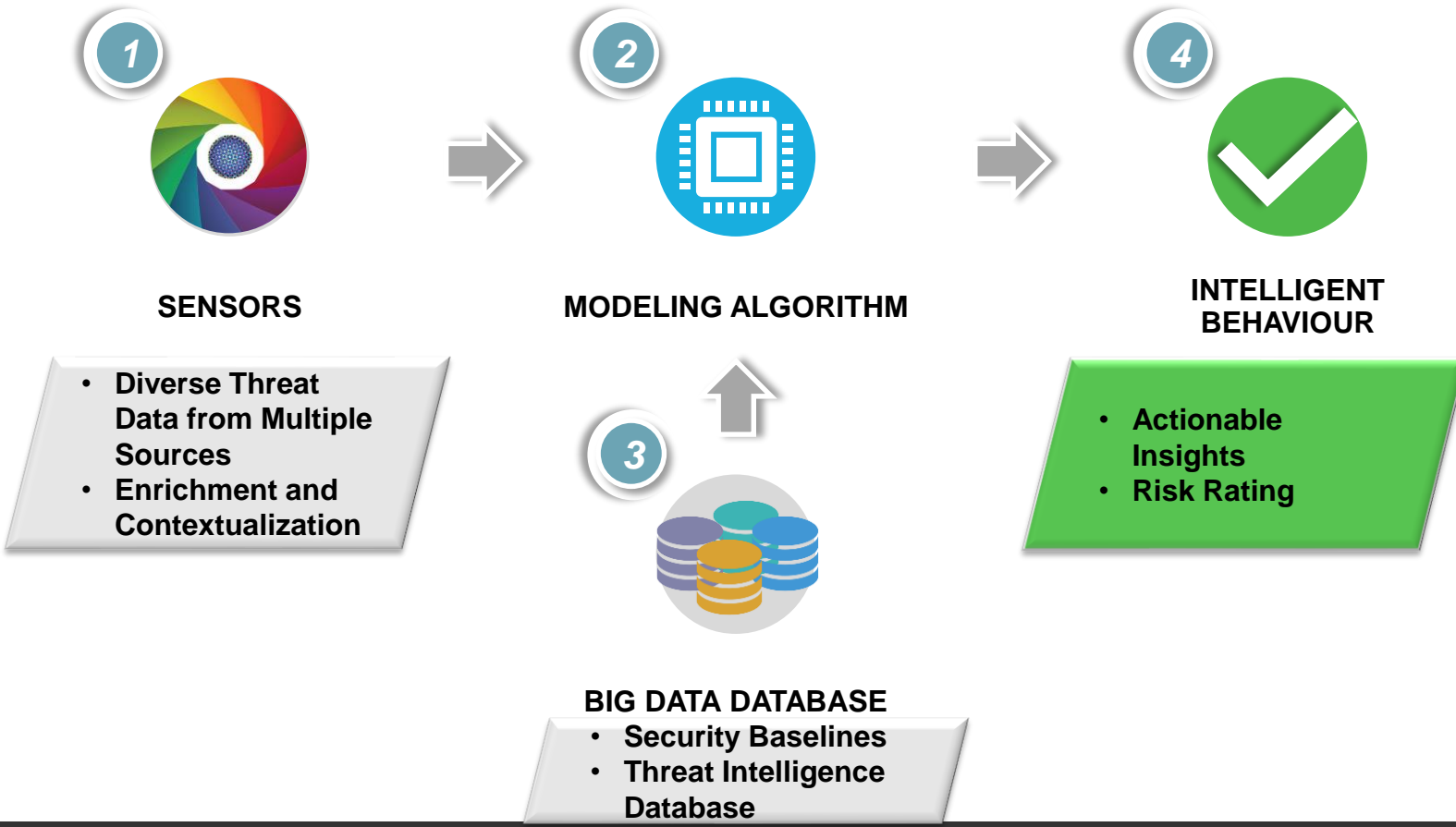
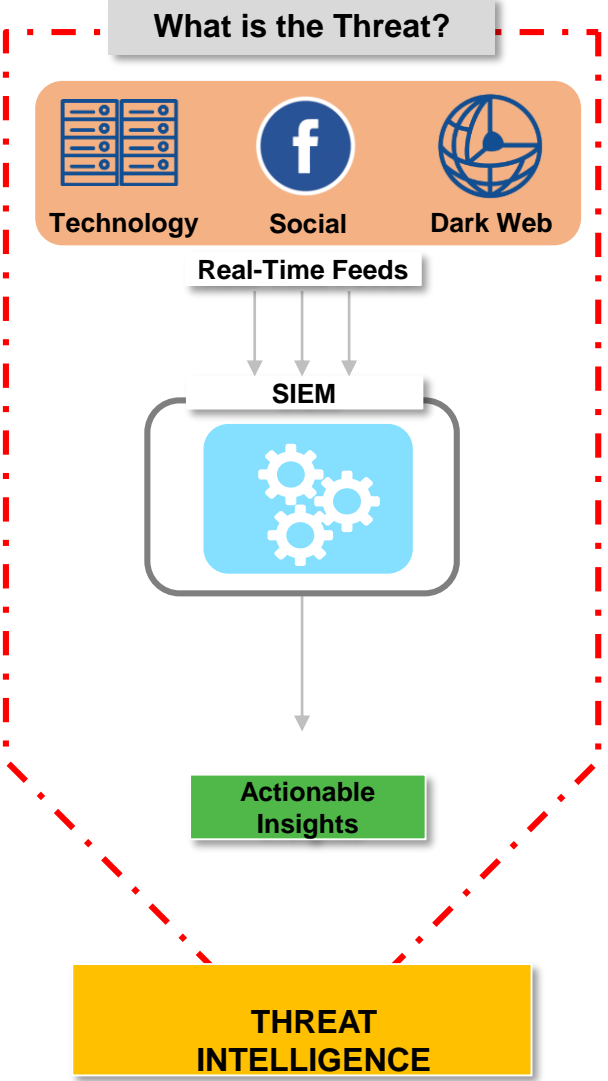
AI Implementations in Cyber Defense

Typical Architecture of an AI Ecosystem



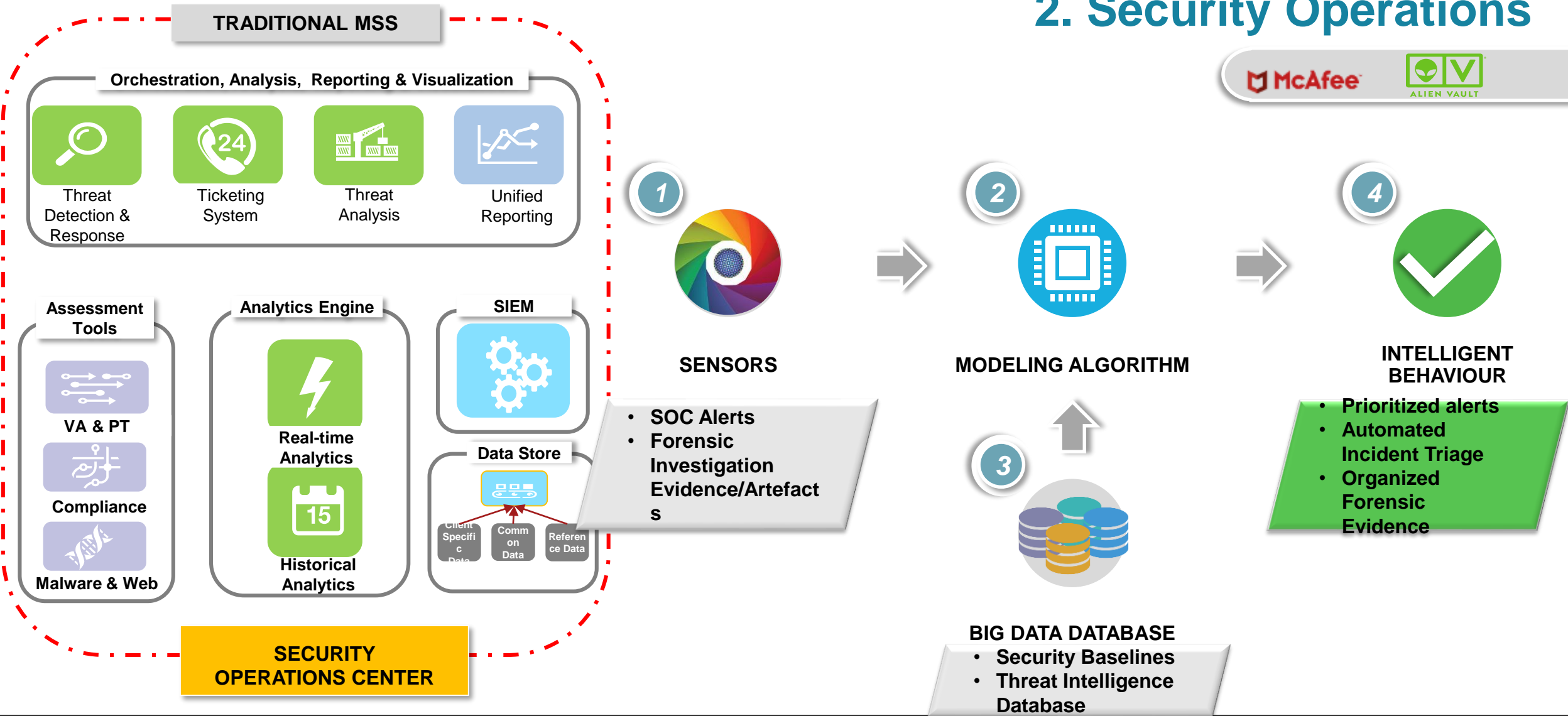
AI Implementations in Cyber Defense

1. Threat Intelligence



AI Implementations in Cyber Defense

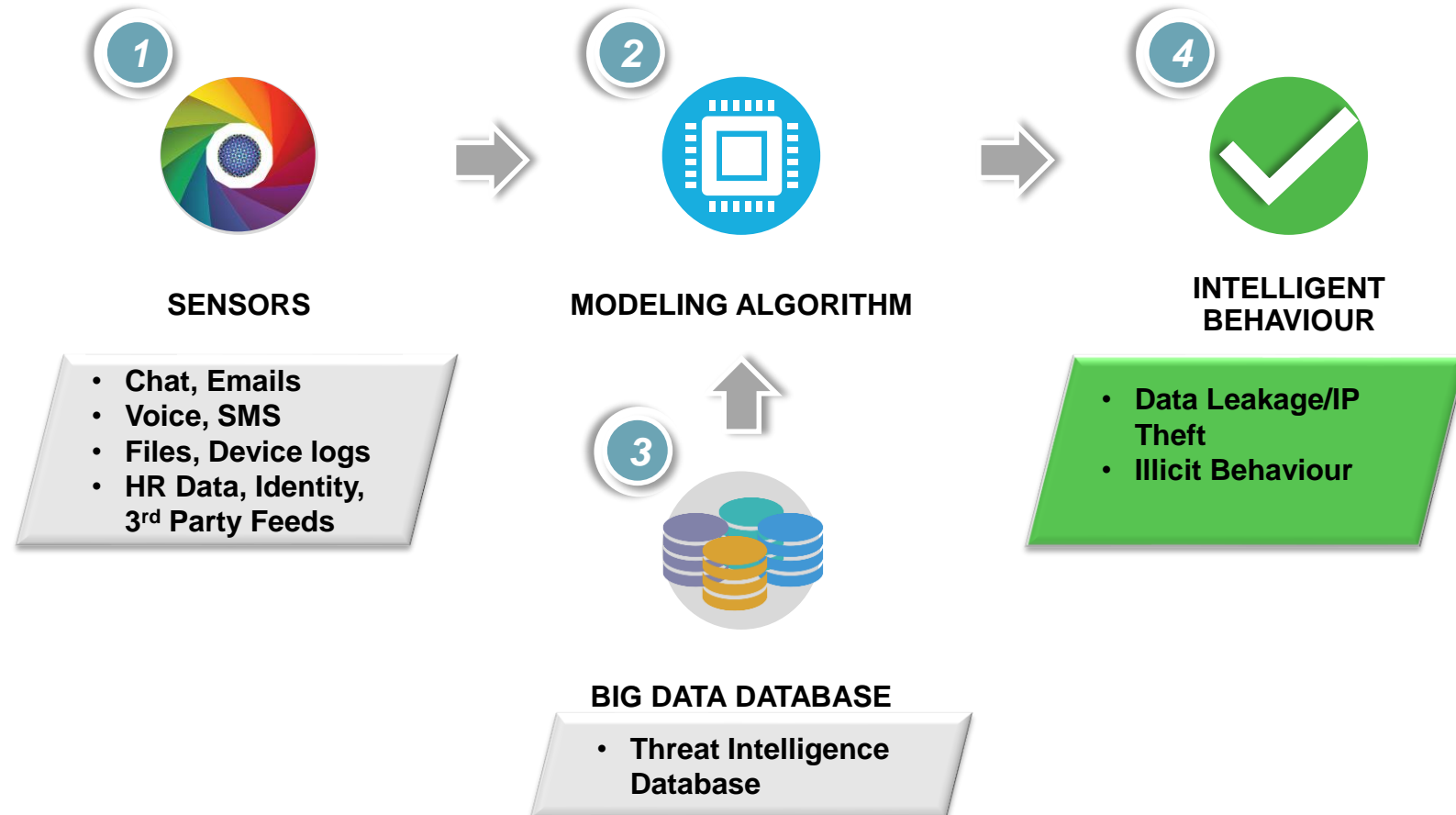
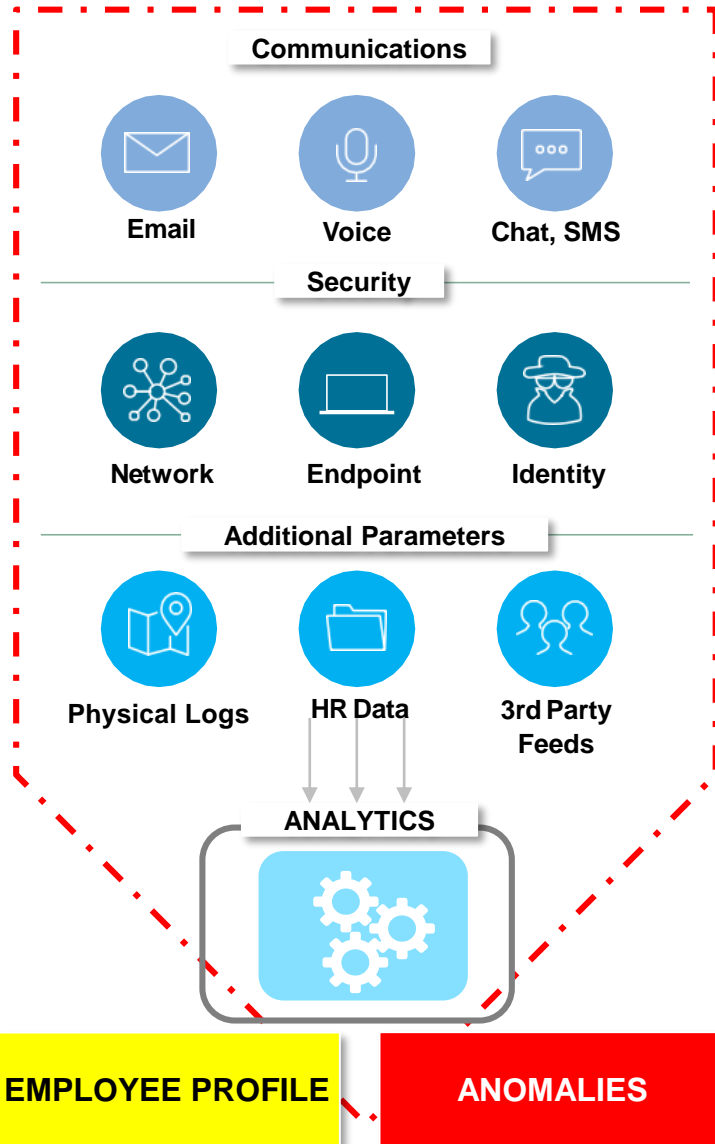
2. Security Operations



AI Implementations in Cyber Defense

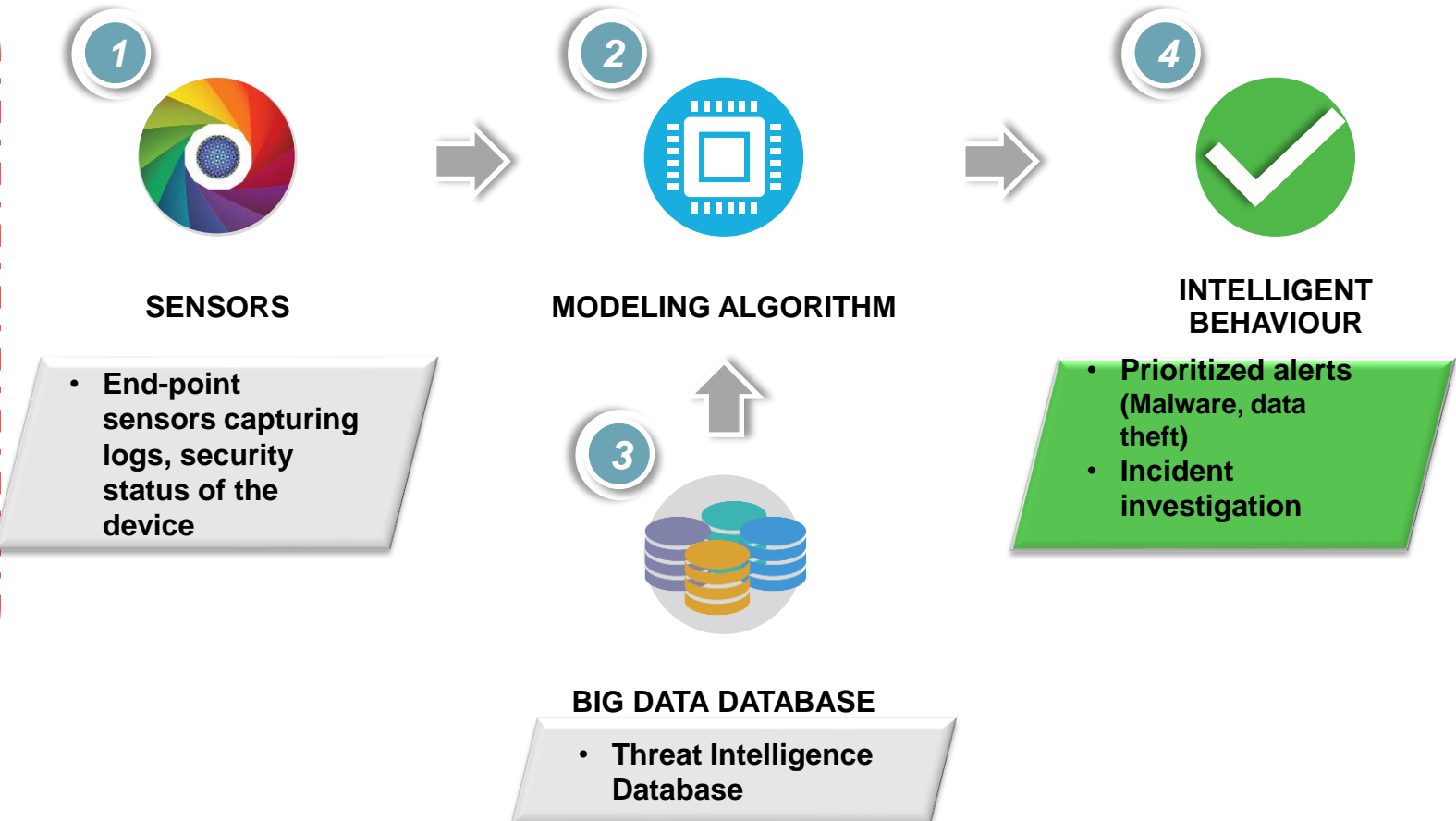
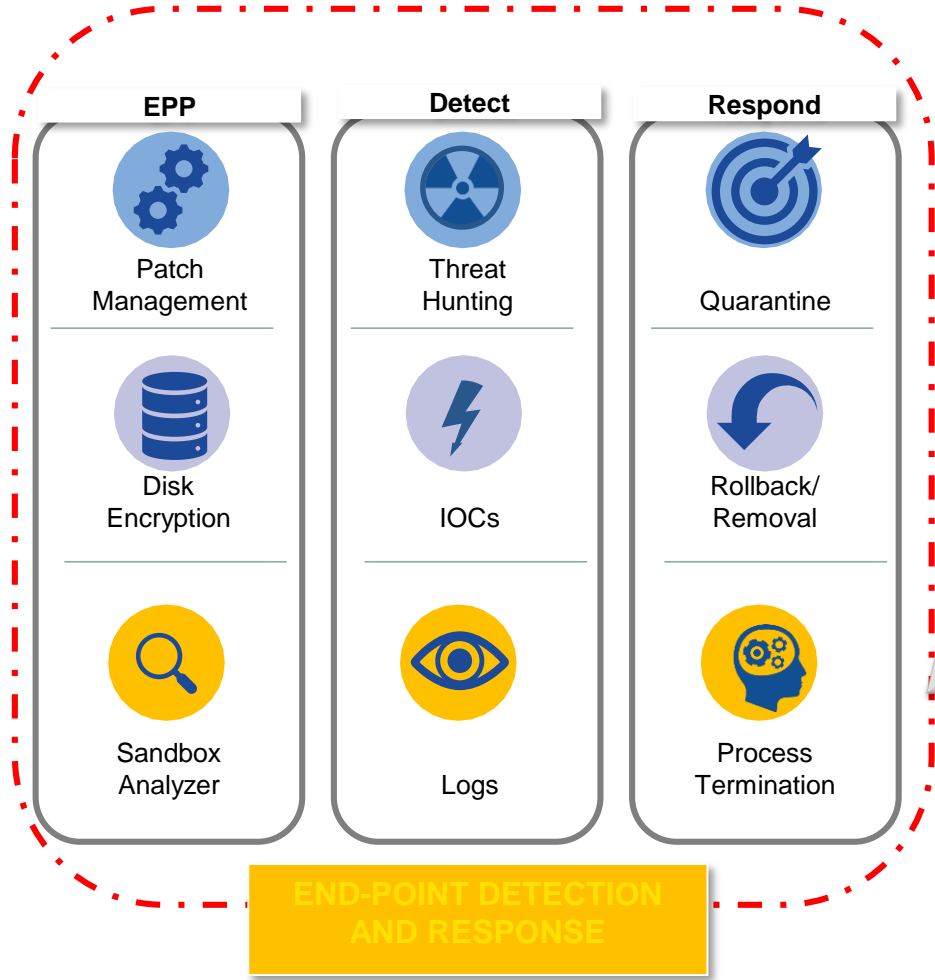
3. User Entity Behaviour Analytics

FORCEPOINT aruba



AI Implementations in Cyber Defense

4. End-Point Detection and Response

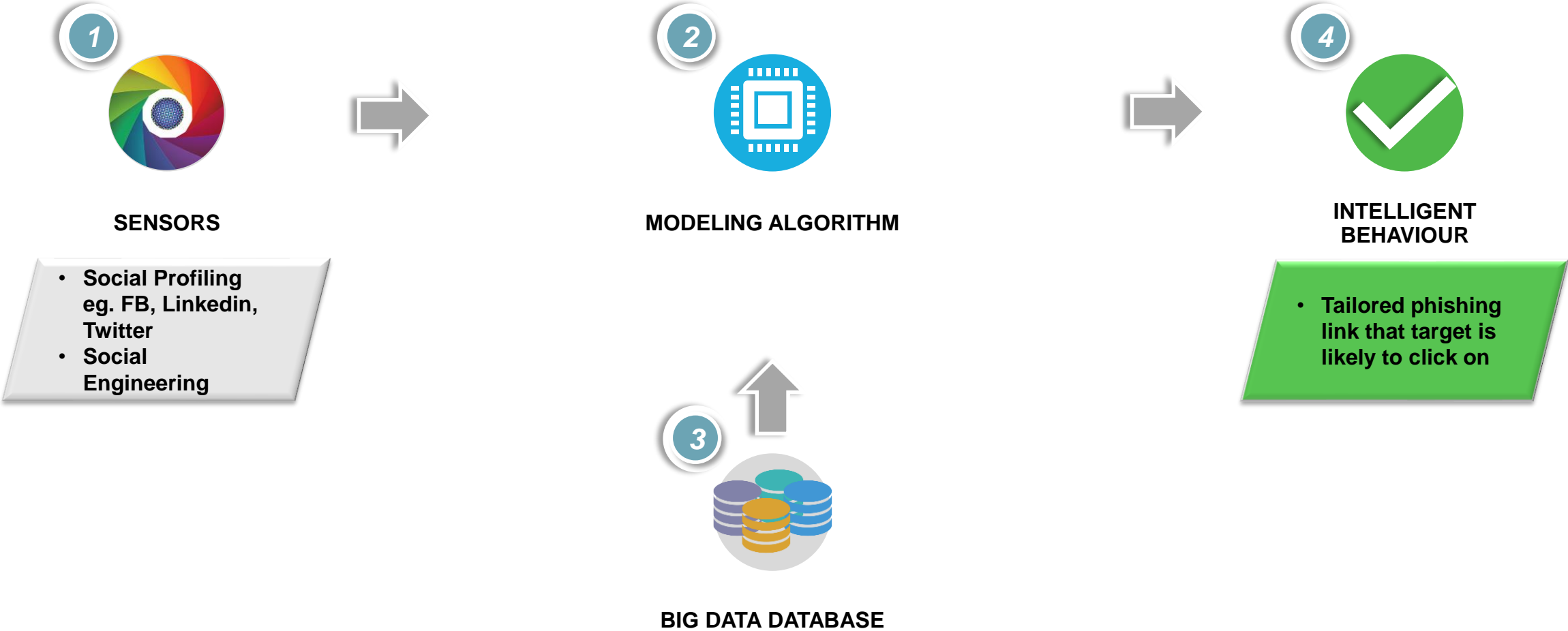




AI Implementations in Cyber Crime

AI in Cybercrime

Targeted Phishing





Cyber Security Challenges Amid Covid-19

Cyber Security & Privacy Amid The Pandemic

Top Concerns amid Covid-19

1

Understanding Cyber Security and Privacy requirements associated with **employee remote work.**

2

Understanding Cyber Security and Privacy requirements associated with **requests to share COVID-19-related data.**

3

Understanding security and privacy requirements associated with **employee health data collection.**

Source: *Privacy in the Wake of Covid-19, IAPP-EY Report, 2020*

General Sentiment:

- “Cyber Security is crucial in distributed workplaces.”
 - Privacy has taken a backseat as beating the virus requires communal data sharing.”



1

Data Subject Access Rights Paused

2

Right to Erasure is paused

3

Delayed access to judicial remedy for GDPR violations

Top Cyber Security Priorities for Distributed Workplaces

1

Top Threats

Insider Threats

Phishing

Social Engineering

Data Loss

2

Cyber Security Technologies

End-Point Protection

File Share Security

MDM

MFA

RAVPN

Email Security

CASB

3

Cyber Security Services

Data Classification

Risk Assessment

Training and Awareness

Forensics and IR

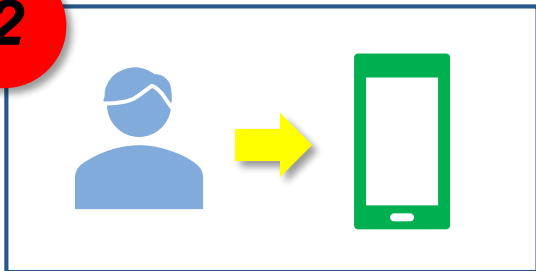
Contact Tracing Apps and Privacy

Source: IAPP April 28, 2020

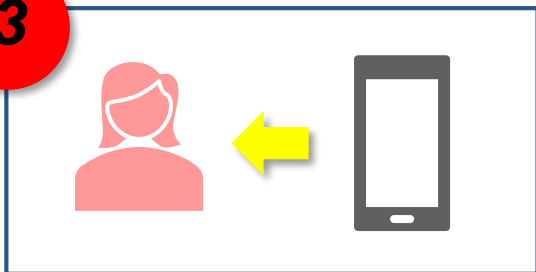
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2



3



Country/Region	Contact Tracing App	Reporting Covid positive cases based on Consent	Reporting Covid positive cases is Anonymous
USA	Apple & Google	Yes	Yes
EU	Multiple	Yes	Yes
India	Aarogya Setu	No	Yes
South Korea	Corona 100m, Corona Map	No	No
Singapore	TraceTogether	No	Yes

Inference: Contact Tracing will help fight Covid-19 but at the cost of Individual Rights to Privacy. People must be conscious of their rights within the countries they are currently situated in.



AI Enigma Episode 3

2nd Sep 2020

Thank You



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