

# *Lemonade*

## Cybersecurity Program

Developed by VAMPT Cybersecurity Consulting

# Introduction



## Company Overview:

### **Lemonade**

- An online insurance provider using AI for claims prediction, serving diverse insurance needs.

## My Role:

### **VAMPT Cybersecurity Consulting**

I was hired as a Cybersecurity Consultant to design and implement a comprehensive program.

---

# Primary Concerns

**Objectives:** Secure operations, protect data, meet regulations, and foster a security-aware workforce.

AI Data Protection

GDPR Compliance

Business Continuity Planning (BCP)

Third-Party Security

AWS Cloud Security

Employee Security Awareness

# Risk Assessment



## **AI Claims Prediction Tool**

High risk of data exposure and adversarial attacks.

## **Business Continuity**

Risks of operational downtime without a BCP.

## **AWS SaaS Platform**

Risks from unauthorized access and misconfigurations.

## **Third-Party Security**

Risks from vendor data breaches.

## **GDPR Compliance**

Risks of fines from non-compliance.

## **Employee Awareness**

Risks from vendor data breaches.

# Mitigation Strategies



## AI Security

Secure SDLC, data encryption, AI monitoring.

## Business Continuity

Develop disaster recovery plans, redundancy systems.

## AWS Security

Strict IAM policies, MFA, continuous monitoring.

## Third-Party Security

Vendor risk assessments, security clauses.

## GDPR Compliance

Compliance audits, data policies, consent management.

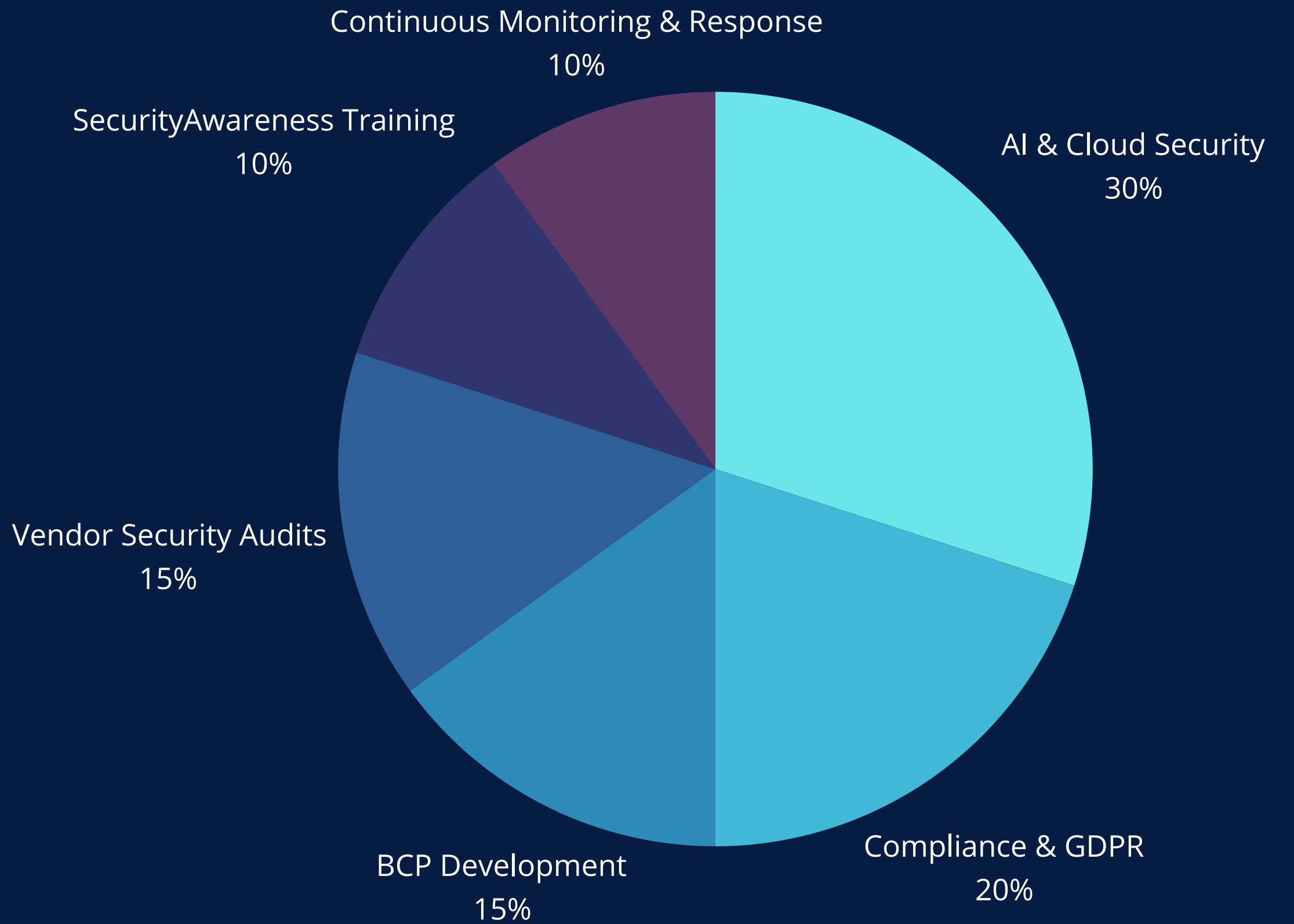
## Awareness Training

Regular training, phishing simulations.

# Budget Allocation

**\$ 10M**

TOTAL AVAILABLE BUDGET



## NIST Cybersecurity Framework

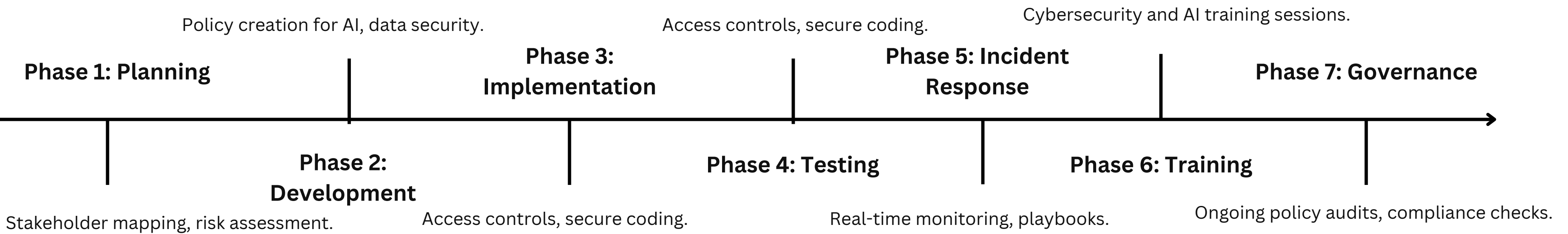
- Identify: Asset and risk mapping.
- Protect: Access control, training.
- Detect: Threat detection, automation.
- Respond/Recover: Playbooks, recovery plans.

## NIST AI Risk Management Framework

- Ensures ethical, secure, and resilient AI use..

# Frameworks & Approach





# Program Roadmap



---

# Business Conitnuity Planning

## Objective

Ensure critical business functions continue during a disruption

## Approach & Scope

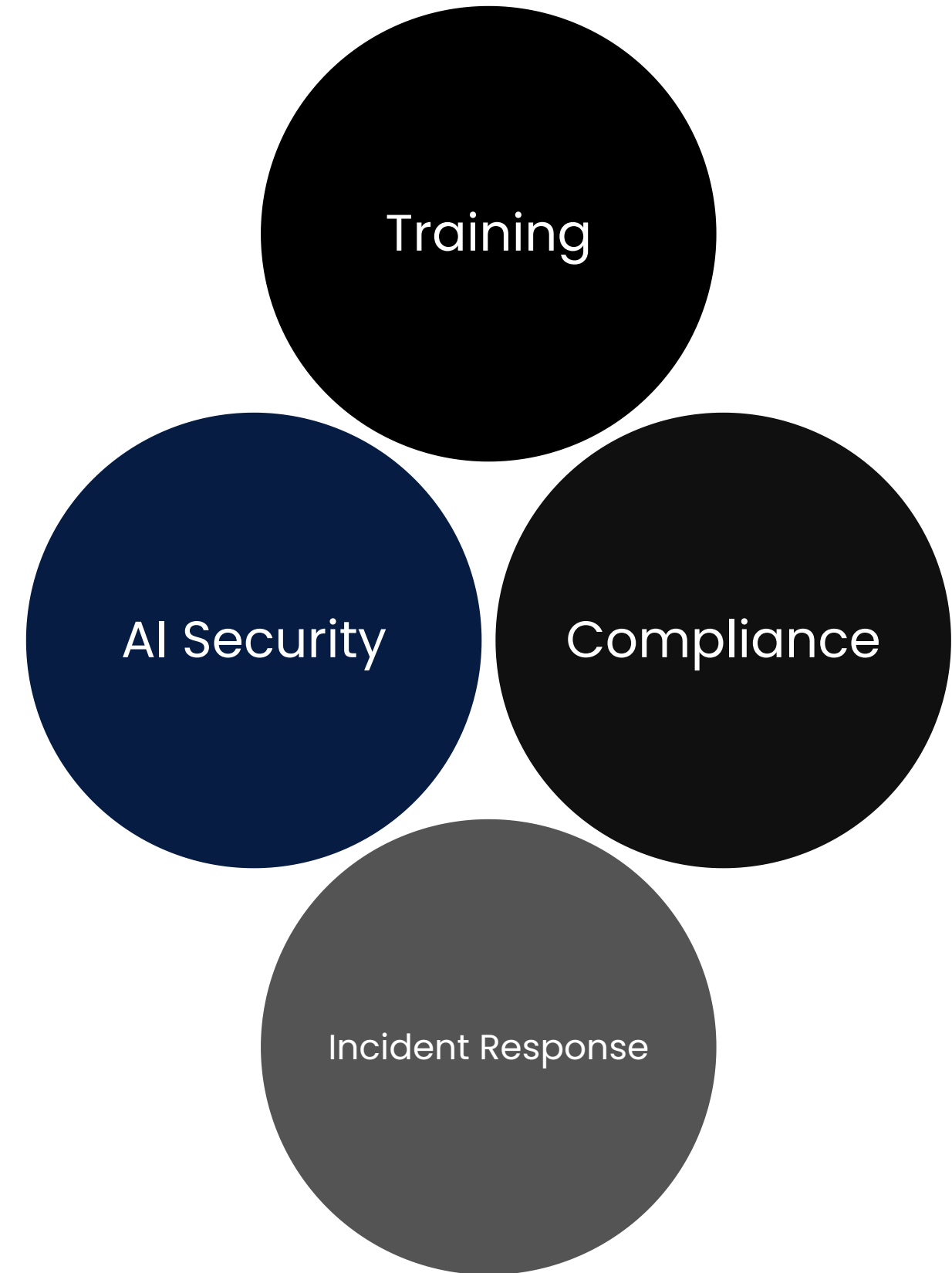
Identify critical business processes and develop continuity strategies.

## Implementation & Maintenance

Regular review and testing, including updating as needed.

---

# Metrics & KPIs of Success



---

# Thank You!

**Email Adress**

micaylawynnbell@gmail.com