

CYBER OT

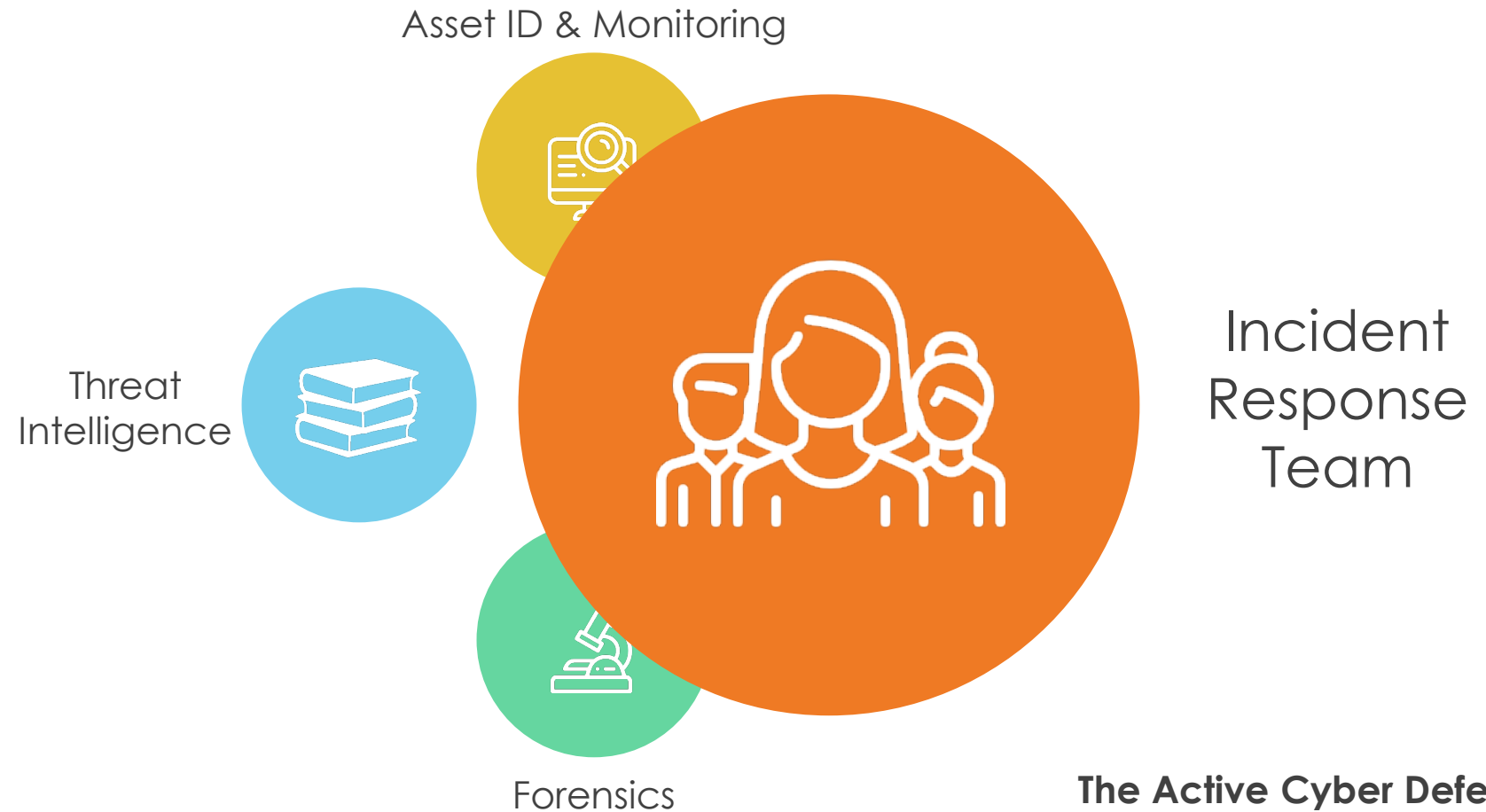


Incident Response Team - Under Construction!

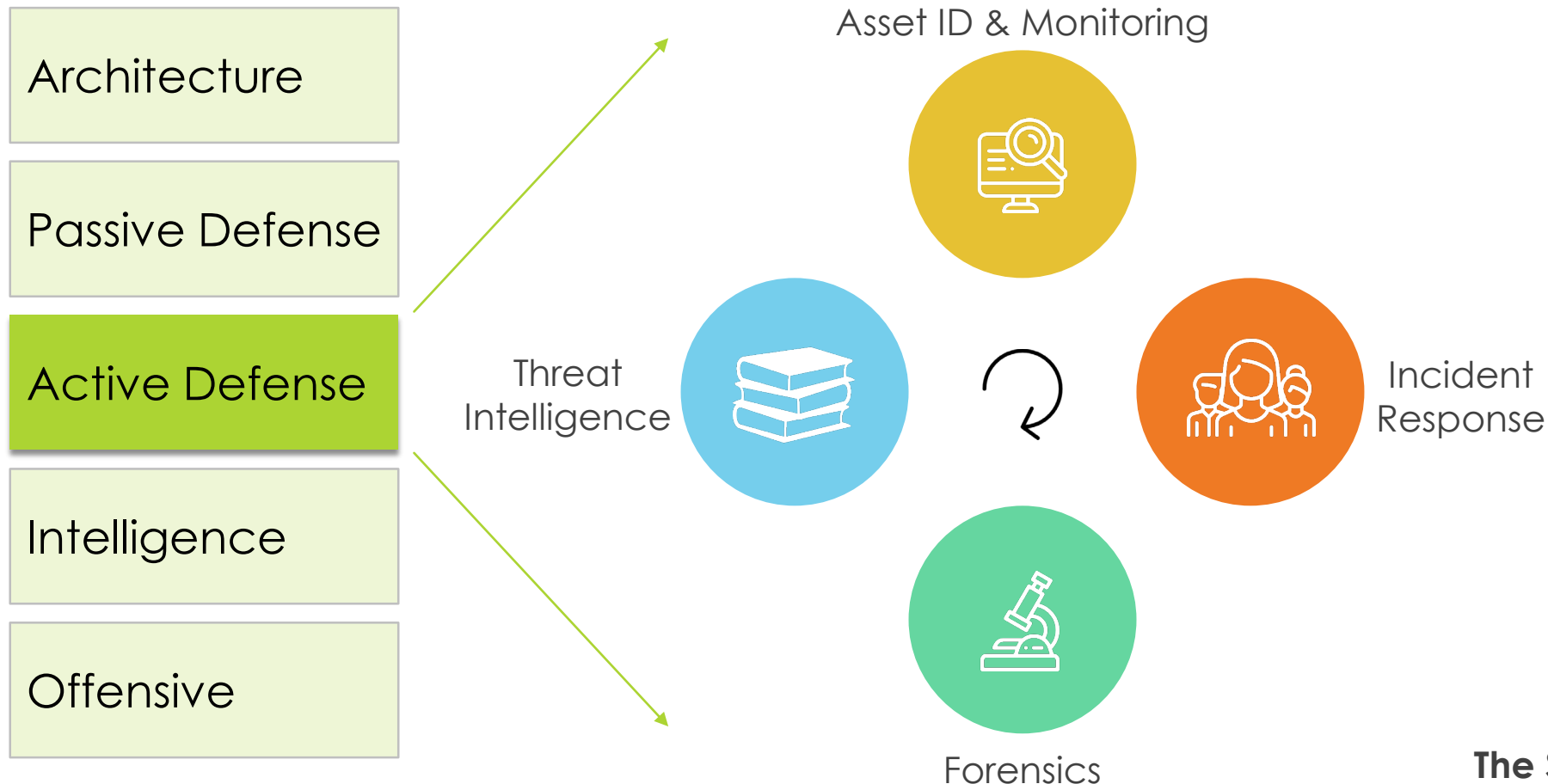
Eran Salfati, Lital Badash et al



Intro



The Sliding Scale of Cyber Security



Architecture

Passive Defense

Active Defense

Intelligence

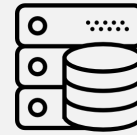
Offensive



Policy



Supply
Chain



Patch &
Backup



Awareness

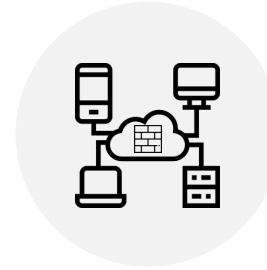
Architecture

Passive Defense

Active Defense

Intelligence

Offensive



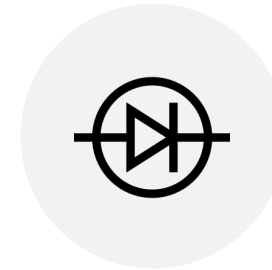
Network
Architecture



Anti-
Malware



IDS



Diode



Architecture

Passive Defense

Active Defense

Intelligence

Offensive

SCADA Security – Where Should we Start?

Eran Salfati et al

SEEEI, 2016

Architecture

Passive Defense

Active Defense

Intelligence

Offensive

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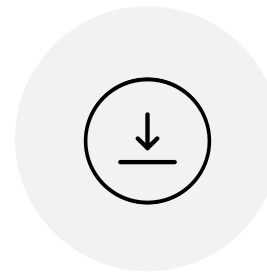
Architecture

Passive Defense

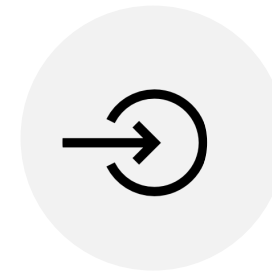
Active Defense

Intelligence

Offensive



Internal
Sources



External
Sources

Architecture

Passive Defense

Active Defense

Intelligence

Offensive



Offense for
Defense

Active Defense



Incident Response



Preparation

Detection

Containment

Eradication

Recovery

Lesson Learned

12





Preparation

Detection

Containment

Eradication

Recovery

Lesson Learned

Pre Preparation



Skills

Previous knowledge



Team Size

Interfaces

Organizational Structure



Tools

Safety

Procedures

Evidence Collection Toolkit



Event Management Center



Preparation

Detection

Containment

Eradication

Recovery

Lesson Learned

Routine



Instruction

Training

Reports Study



Know Architecture

Know Risks

Baseline

“Forensability”



Policy & Procedures Update



Preparation

Detection

Containment

Eradication

Recovery

Lesson Learned



Chain of Events

Dynamic Data

Static Data



Initial Forensics

Timeline

Whitelist

Assessment



Initial Report



Preparation

Detection

Containment

Eradication

Recovery

Lesson Learned



Safe Operational continuity



Prevention of proliferation

Preparation

Detection

Containment



Eradication

Recovery

Lesson Learned



Remove & Clean

Restore from Backup



Patch & Update

Preparation

Detection

Containment

Eradication



Recovery

Lesson Learned



Back to Operation



Validation & Verification

Preparation

Detection

Containment

Eradication

Recovery



Lesson Learned

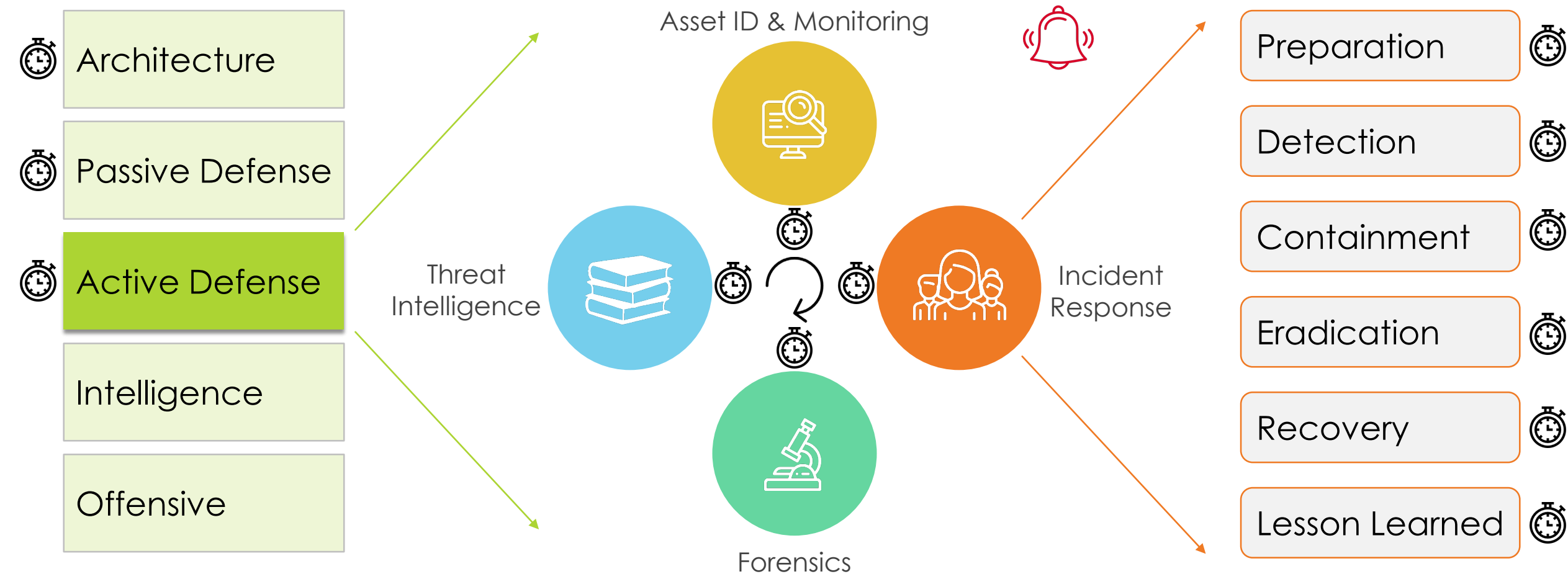


Final Report



Share

Summary



CYBER OT



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Thanks!

