



# JOEL CALLICRATE

Security Engineer / Technical Leader

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Building large-scale security systems  
for adversarial environments

# Expanding Threat Visibility

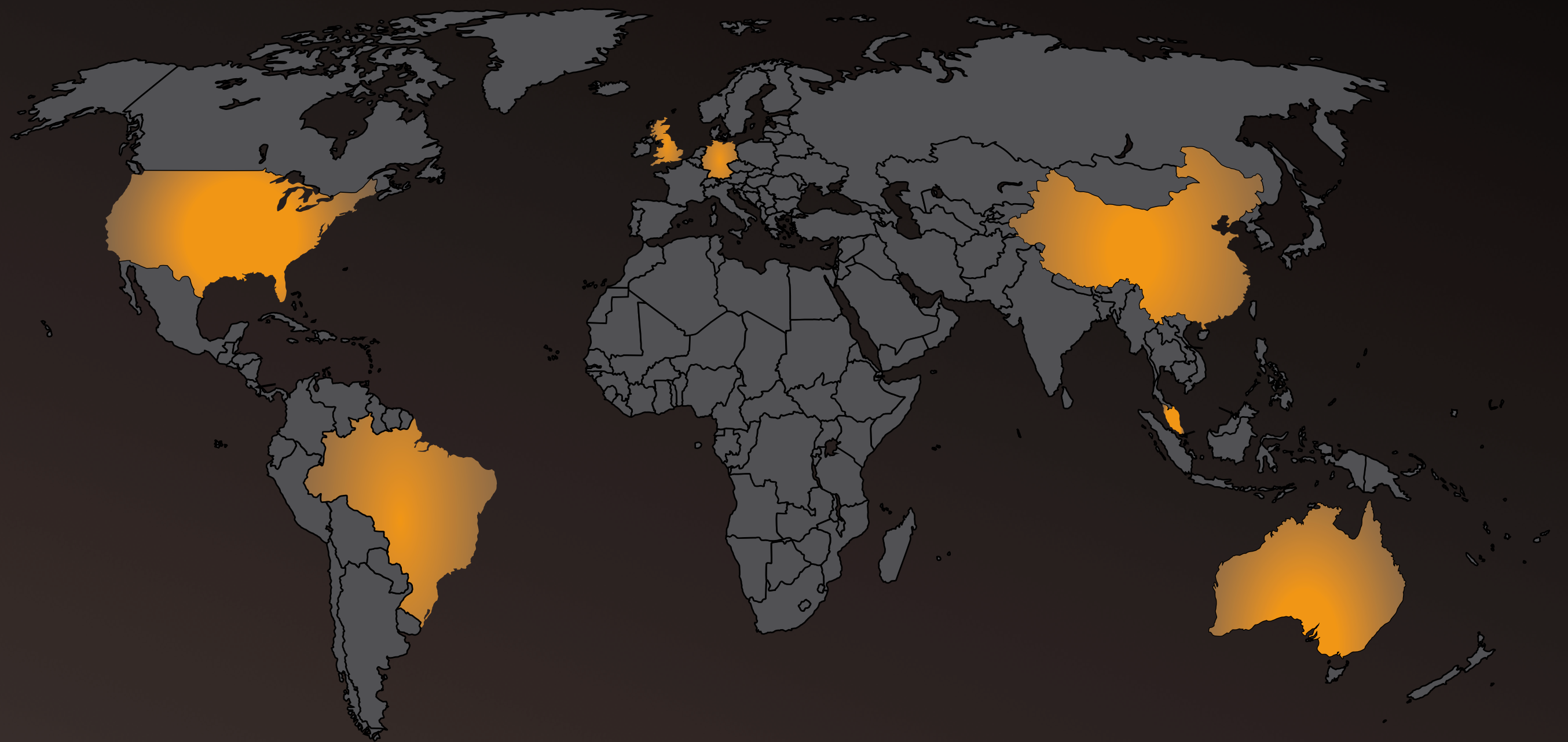
## PROBLEM

Limited visibility into adversarial email campaigns

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## SOLUTION

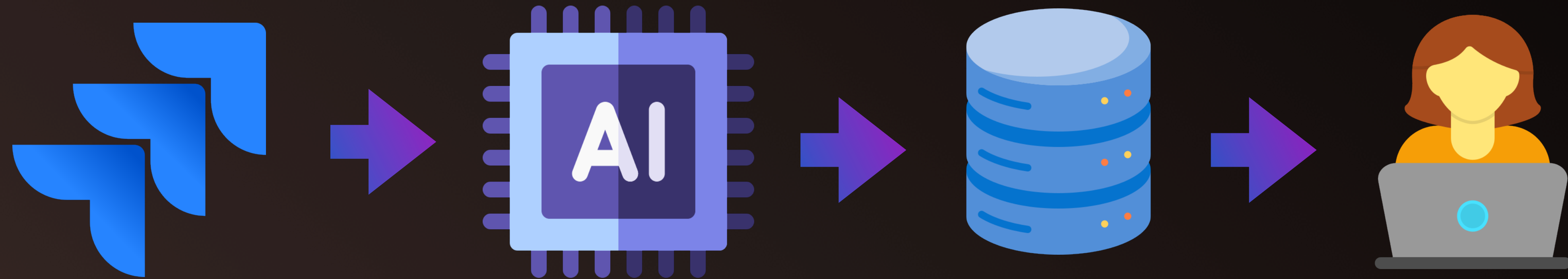
At-scale spamtrap pipeline for threat collection and analysis



**~30× increase in campaign visibility**

# Accelerating Detection Response

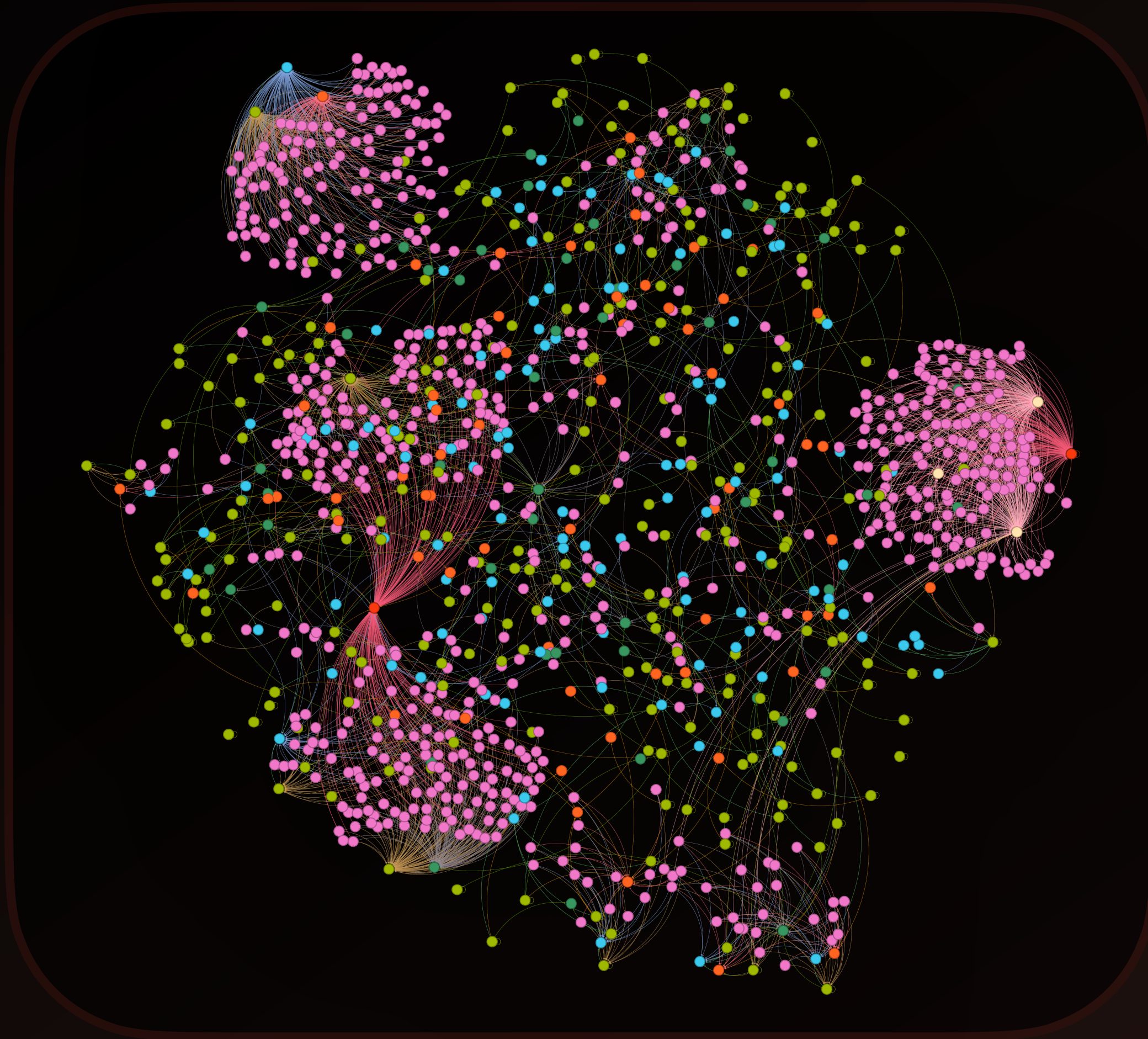
**PROBLEM** Support desk needed a way to convert campaign evidence into detection coverage



**SOLUTION** Gen-AI rule generation with deterministic validation, feedback, and dynamic content enrichment

**Cut resolution time by 65%**  
**Materially decreased escalations**

# Supporting Global Child Safety



**PROBLEM** Online abuse networks rapidly shift infrastructure to evade detection

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**SOLUTION** Telemetry Analysis & AI-driven detections at-scale



**THORN** <sup>1</sup>

**High-confidence data leveraged by partner organizations**