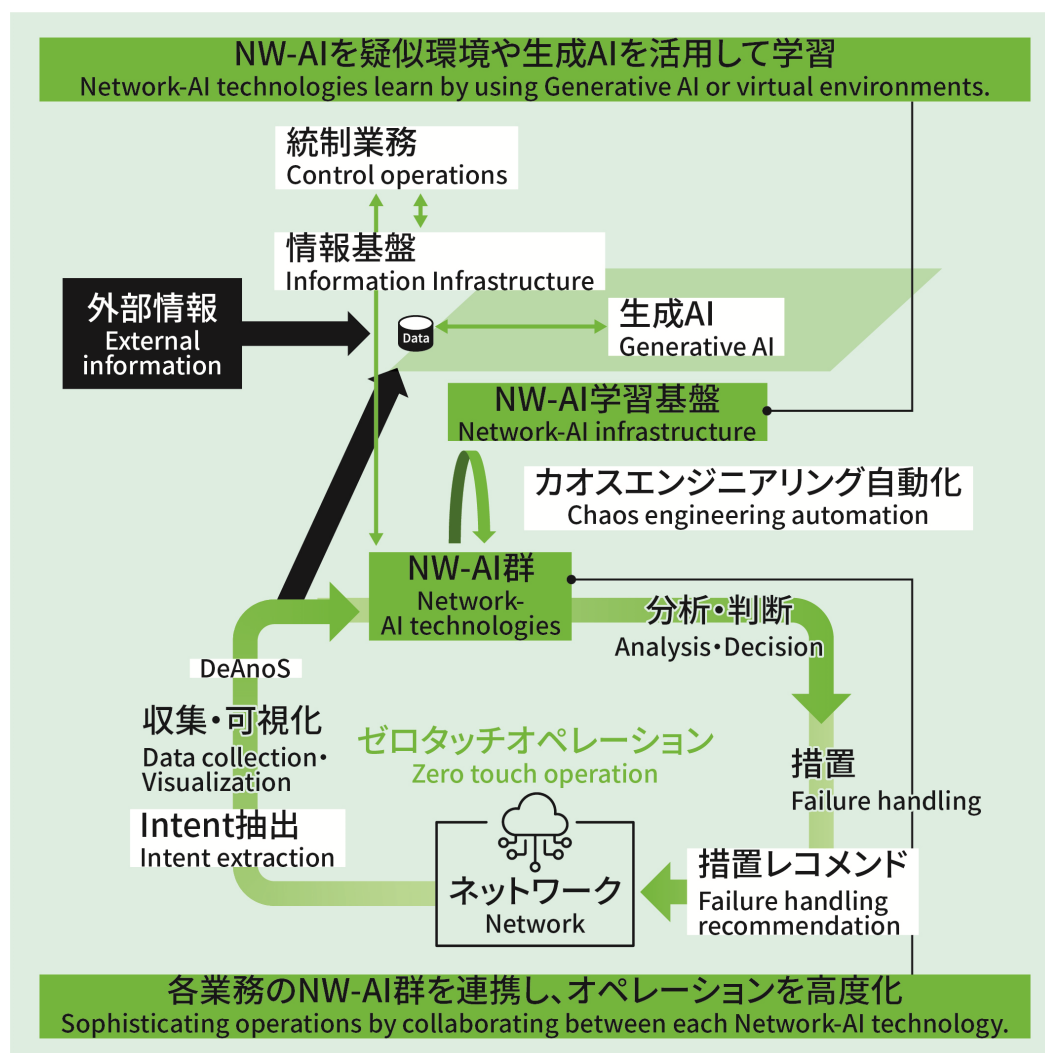Apply generative AI to NW technology to increase efficiency, automation, and sophistication of network operations
#Productivity Improvement #Business Resilience

NW-AIを疑似環境や生成AIを活用して学習
Network-AI technologies learn by using Generative AI or virtual environments.

統制業務
Control operations

情報基盤
Information Infrastructure

外部情報
External information

Data

生成AI
Generative AI

NW-AI学習基盤
Network-AI infrastructure

カオスエンジニアリング自動化
Chaos engineering automation

NW-AI群
Network-AI technologies

DeAnoS

分析・判断
Analysis・Decision

収集・可視化
Data collection・Visualization

ゼロタッチオペレーション
Zero touch operation

措置
Failure handling

Intent抽出
Intent extraction

ネットワーク
Network

措置レコメンド
Failure handling recommendation

各業務のNW-AI群を連携し、オペレーションを高度化
Sophisticating operations by collaborating between each Network-AI technology.

///Technical Issue

Could not visualize failure conditions and service impact, control resources, and handle complex/unknown events.

///Research Goal

To achieve optimized autonomous networks/services by sophisticated network operations.

---Technology

Technologies for sophisticating network/service operations by applying generative AI to existing network technologies, and a Network-AI learning platform that enables autonomous learning of these Network-AI technologies.

---Applicable Business

In the Information and communication industry, we can visualize failures in network/service operations, understand service impact, optimally control provided resources, and respond to complex/unknown events.

---Novelty

Equipped with a Network-AI learning platform that enables autonomous learning of various Network-AI technologies, it is possible to quickly follow AI models to external and internal changes.