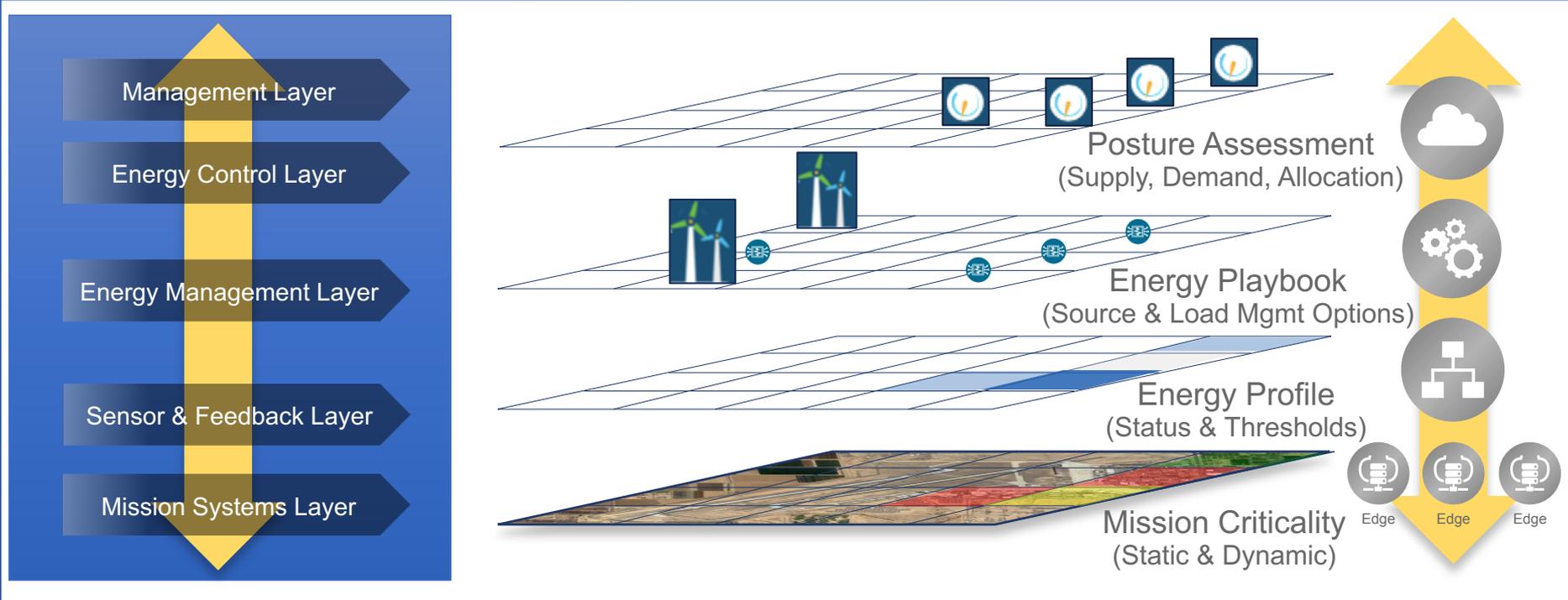




Seeing the Future Information Stacks and Interfaces



Multiple Layers of Information are Converged
Multiple OSI Layer 1 Transport Mediums (IP, WiFi6, LoRaWAN, RF, and/or 5G)



Busting the Myth: Isolated = Secure

The Persistent Insider Threat:

The persistent insider threat reinforces the notion that some of the most serious threats are trusted individuals that have the motivation, the ability, and the access required to identify high-value material, find it, and create under-the-radar access pathways.



The Persistent Outsider Threat:

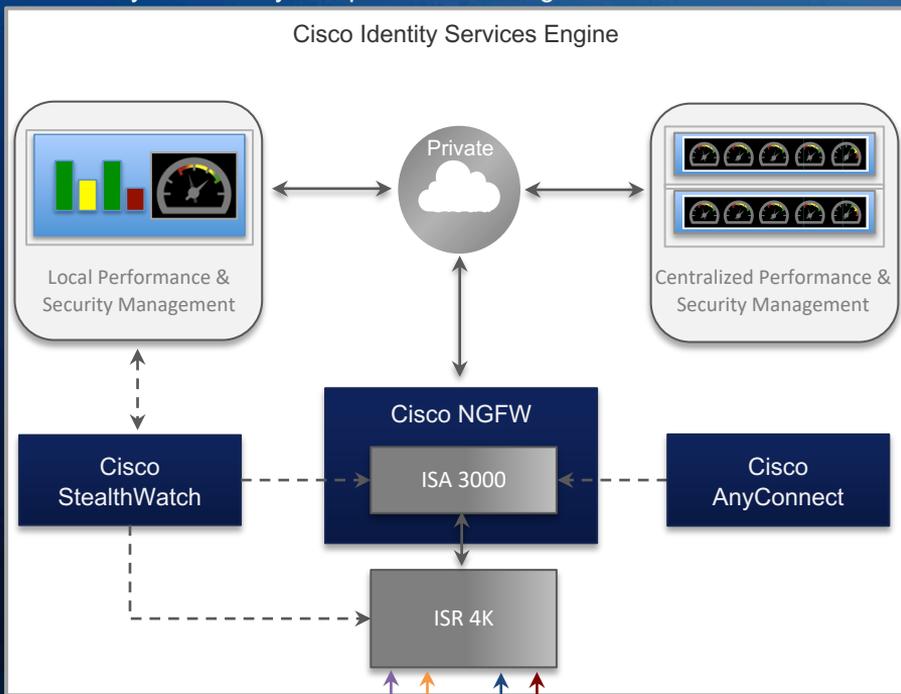
The persistent outsider threat reinforces the notion that adversaries are willing to spend months or years on a specific cyber attack mission. In the Ukraine power grid denial of service attack in December of 2016 the attack sequence progressed through multiple stages constituting a penetration testing phase, a land and expand phase, an operational observation phase, an attack phase which included situational awareness denial.





Observe, Orient, Decide, and Act

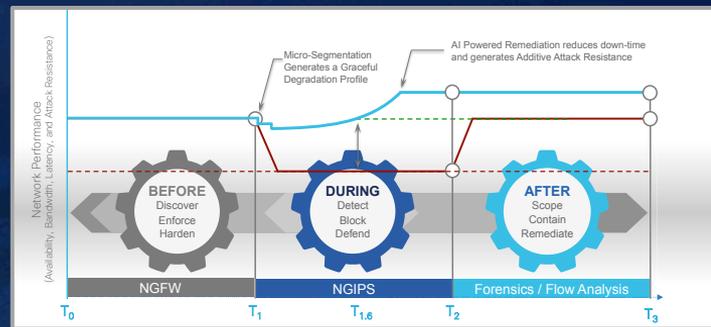
Sheet 3. Cyber-Security & Operational Management



A secure Multi-Cloud environment allows distribution of management and monitoring data. System data enables local supervision to monitor the security posture, exploit system efficiencies, and direct condition-based Maintenance.

Performance data provides centralized oversight to support development and oversight of enterprise optimization strategies.

Intelligence-driven automated threat response produces industry leading detect, mitigate, remediate, and restore cycles.



From Sheet 2. Cyber-Security Strategy