

**IT SECURITY IS  
OUR MAIN  
CONCERN**

**MiniFW-AI for  
Hospitals**

**Presentation  
JUNE 2025**



**Since 2013**



# MiniFW-AI for Hospitals

- Sector-Specific AI Firewall
- Powered by ARCHANGEL 2.0
- Developed by Sydeco



# What is MiniFW-AI?

- AI firewall embedded in ARCHANGEL 2.0 (IA2 Bis level)
- Observes encrypted/unencrypted traffic
- Applies ML models to identify threats
- Adjusts policies dynamically and in real-time



# MinFW-AI – 2025 Upgraded Features

- Now powered by L3 AI Engine (MLP-based)
- Encrypted Threat Detection (JA3 Fingerprinting, YARA, SNI Analysis)
- IoT Device Profiling for anomaly detection
- Bandwidth Abuse Alerts with live flow scoring

- Sector-specific dashboard and Zero Trust Enforcement
- MAC-locked secure .deb installers for verified devices only
- Full offline operation with ARCHANGEL 2.0 integration



# Key Functions in the Hospital Environment

- Detects ransomware and malware in real time
- Blocks unauthorized exfiltration of patient records
- Monitors abnormal access to connected medical devices



# Benefits for Hospitals

- Enhanced protection of patient privacy and health data
- Compliance with healthcare cybersecurity standards
- Prevention of major service disruptions



# How It Enhances ARCHANGEL 2.0

- Adds AI-driven behavior detection
- Automatically adapts policies by traffic
- Sector-specific logic included
- Reinforces Zero Trust enforcement



# Why It Matters

- Healthcare faces increasing cyber threats
- Downtime costs lives and reputation
- MiniFW-AI provides precision, automation, and trust

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