

**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



MiniFW-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

Contact Us



+62 (274) 880 827



+62 821 2288 7796



info@syde.co



www.syde.co



Jl. Gabus Raya 21, Minomartani
Ngaglik, Sleman
Yogyakarta, Indonesia 55581

