

**IT SECURITY IS
OUR MAIN
CONCERN**

MiniFW-AI for Schools & Educational Networks

**Presentation
JUNE 2025**



Since 2013



MiniFW-AI for Schools & Educational Networks

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- **Sector-Specific AI Firewall**
 - **Powered by ARCHANGEL 2.0**
 - **Developed by Sydeco**
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What is MiniFW-AI?

- AI firewall embedded in ARCHANGEL 2.0 (IA2 Bis level)
- Observes encrypted/unencrypted traffic
- Uses AI to detect and manage content in real time
- Tailored policies for educational environments



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
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- 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 for Schools

- Blocks YouTube Shorts and distractions
- Filters social media and online games
- Profiles and scores student device behavior



Benefits for Educational Institutions

- **Increases classroom focus and productivity**
- **Protects young users from inappropriate content**
- **Reduces network misuse and complaints**



How It Enhances ARCHANGEL 2.0

- Adds advanced content categorization for youth
- Enables dynamic policy enforcement by group
- Real-time visibility into student behavior
- Integrated Zero Trust principles



Why It Matters

- Schools need strong digital protection
- Prevent distractions and security breaches
- MiniFW-AI helps keep learning environments safe and efficient

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