🔒 Secure OCPP-to-CAN Bridge

Real-Time Monitoring | Blockchain-Secured | ML-Powered IDS

🧱 TOPLAM BLOK	🚨 TOPLAM ALERT	📡 CAN FRAME	🤖 ML-IDS
0	**69**	**0** Tümü yetkili	⚠️ **Eğitilmemiş**

🚨 Real-Time Alerts

🔴 CRITICAL	🟠 HIGH	🟡 MEDIUM	🟢 LOW
0	**69**	**0**	**0**

📋 Son Alert'ler

HIGH
Sensor Data Poisoning
MeterValues manipülasyonu: 1667.0Wh -> 1750.35Wh (Ratio: 1.05)   2025-12-14 12:23:22

HIGH
Sensor Data Poisoning
MeterValues manipülasyonu: 1661.0Wh -> 1744.05Wh (Ratio: 1.05)   2025-12-14 12:23:12

HIGH
Sensor Data Poisoning
MeterValues manipülasyonu: 1650.0Wh -> 1732.50Wh (Ratio: 1.05)   2025-12-14 12:23:02

HIGH
Sensor Data Poisoning
MeterValues manipülasyonu: 1641.0Wh -> 1723.05Wh (Ratio: 1.05)   2025-12-14 12:22:52

HIGH
Sensor Data Poisoning
MeterValues manipülasyonu: 1627.0Wh -> 1708.35Wh (Ratio: 1.05)   2025-12-14 12:22:42

HIGH
Sensor Data Poisoning
MeterValues manipülasyonu: 1622.0Wh -> 1703.10Wh (Ratio: 1.05)   2025-12-14 12:22:32

⛓ Blockchain Durumu

BLOCKCHAIN DOĞRULAMA
✅ GEÇERLİ

Genesis Hash
b4d9a22772e0274e4025...

En Son Hash
86c4334f d9a90913b365...

Dijital İmza
✅ Etkin

Blok Tipi Dağılımı
50% / 50% — 🟦 ALERT / 🟪 CAN

📋 Son Bloklar

Index		Tipi	Hash	Önceki Hash	Zaman
	0	GENESIS	b4d9a22772e027 4e4025...	0000000000000000000000...	13:25:48
	1	ALERT	e6503b9b61c1fecef22e...	b4dfba22772e0274e4025...	13:28:08
	2	CAN	e03ce999067a73a472aa...	e0503b9b61c1fecef22e...	13:28:09
	3	ALERT	ce89522o435c39394402...	e03ce999867a73a472aa...	13:28:18
	4	CAN	5440e2f3c6e624e0e63b...	ce89522e435c39394402...	13:28:19
	5	ALERT	b280cec5ec3771 8bab52...	5440e2f3c6a624a0e63b...	13:28:28
	6	CAN	fc5fb9dbac361415cfc4...	b280cec5ec37718bab52...	13:28:29
	7	ALERT	57a364dxbdbe3edf3647...	fc5fb9dbac361415cfc4...	13:28:38
	8	CAN	ece7ce63240a42d106ed...	57a364debdbe3edf3647...	13:28:39
	9	ALERT	f9204d95d79ebcbf861a...	ece7ce63240a42d106ed...	13:28:48

📊 Trafik Analizi

📡 CAN ID Frekansı

CAN Frame Frekansı

⚡ OCPP Action Frekansı

⚡ Henüz OCPP trafiği yok