Company Profile- E.S. Embedded Solutions 3000 LTD. (E.S.)

10 facts about the company:

1. Founded in 2002, a privately held company
2. An innovative company, pioneering the fields of cybersecurity, mission critical and time critical communication, and smart gateways
3. R&D and management in Israel, 40+ employees
4. 90% of E.S. **team** composed of engineers, mathematicians, Ph.D. and algorithm developers
5. E.S. core technology originated to the **Israeli forces**
6. **Patented** technology for time-critical & mission critical communication including network security
7. Certified with the **highest QA standards**: ISO 9001:2015 and AS9100- for aerospace and aviation
8. **Certified exporter** by the Israeli ministry of economy and commerce
9. Awarded by the enterprise cybersecurity magazine as one of the top 10 Cybersecurity companies in the middle east on 2020
10. Member of the Israeli Cyber Companies Forum

10 facts about the technology:

The company invented a combined hardware and software products that secure organizations in the following sectors: Banks, Defense, Government, Energy, Automation, Industrial facilities, Finance, IoT, Cloud computing, Aviation and more form various cyber-attacks.

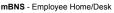Company's leading product is BitNetSentry (BNS), it designed with the following approach:

1. BNS is Invisible in the network (no MAC nor IP address). Hackers can't target nor bypass BNS.
2. BNS is utilizing the WBC (White Box Cryptography) standard- a proprietary crypto method that offers zero trust secured communication even from insiders and those who got encryption passwords.
3. Hassle free migration, installation and managing
4. BNS enables bi-directional secured SCADA communication.
5. Thwarting of "rogue insiders", even when they have IT privileges, passwords and encryption keys.
6. BNS ensures that critical and sensitive information will not: Leak out, breach, get stolen or change illegally or maliciously.
7. BNS is market leader in Bit-level security (@Data Link Layer).
8. BNS adds extremely low latency (few Nano seconds)
9. BNS enables Traffic (headers & content) manipulation, redirection, blocking.
10. BNS secures against legal commands sent from legal sender but with malicious abnormal or illegal behavior

iBNS- Branch Office   **mBNS** - Employee Home/Desk   **rBNS** -Tactical   **cBNS** - Data Center Unit