



# BABYLON

## Secure Communications

# WHAT IS BABYLON?

Babylon is a unique combination of encryption, HW and architecture which enables the use of public cellular communication infrastructure to securely transfer classified information and conduct classified calls.

**Babylon is the only smart-phone solution in the market that cannot be hacked by known and unknown Cyber Attack tools and Spyware.**



*Modified  
Phones S10/S20  
and Secure Jacket*



# BABYLON BASED CELLULAR DEVICES ARCHITECTURE

- Modified COTS phone protected against penetration.
- Phone transmitting capability is disabled forcing all communication via an external modem
- External modem and crypto engine are built into the phone external jacket
- Only IP communication is allowed
- Military grade encryption

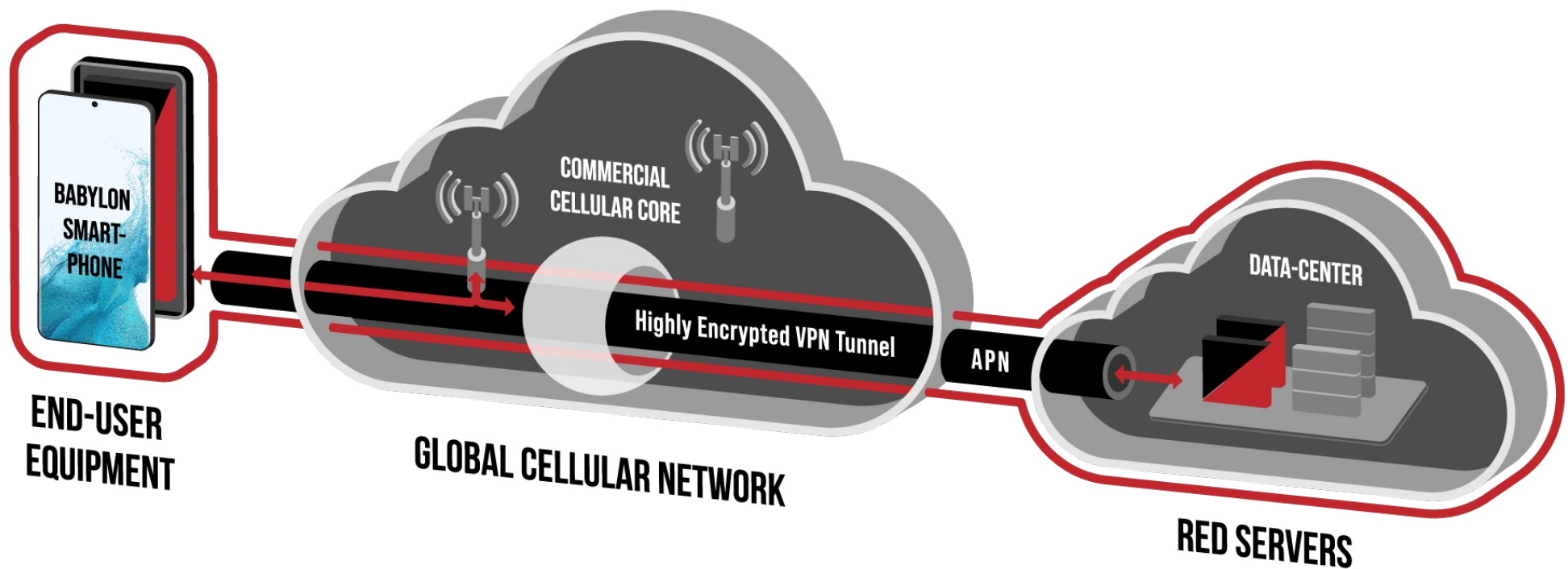
**Even installing a malicious app on the phone will not breach the phone by itself**





# HSL SECURE MOBILITY SYSTEM – CELLULAR INFRASTRUCTURE

Babylon is essentially creating a private network for organizations on top of a public Infrastructure



# BABYLON APP STORE AND FUNCTIONALITY

- Secure call with other members of the organization
- Video calls and conference calls
- Text messages to a single user or group
- Geographical messaging – select an area and send a message to anyone in the area
- PTT application
- Location and mapping services – see where other member of the organization are located
- Picture and File sharing

**Completely resistant to all Spyware Attacks, Can be used anywhere in the world**



# BABYLON ARCHITECTURE

- ✓ End-to-End security architecture – system is isolated from the internet.
- ✓ Dedicated App store having modified applications.
- ✓ Access is limited by encryption, HW device, IP Address, APN and Sim
- ✓ Modified ROM image to assure security and functionality

*S22 Security Jacket*



# BABYLON BUILDING BLOCKS

- Modifying standard phones to be used as high-security secure phones.
- Classified\Private traffic on commercial LTE/5G networks.
- End-to-end security enforcement and monitoring tools.
- Modification of commercial cellular operators infrastructure to support high-security communications.
- Low-cost, Low-power, High-Bandwidth military strength encryption.
- Robust multi-users encryption gates.
- Ruggedized Android images and commercial Android applications.

*S22 Security Jacket*



# BABYLON SAMSUNG TAB ACTIVE 2 ENCRYPTED TABLET

## Modified Tab Active 2 Tablet for Top-Secret use





# ABOUT HIGH SEC LABS

## **High Sec Labs is a Cyber Security Company targeting Defense and National Security Infrastructure**

- ✓ Privately-owned, HQ in Israel
- ✓ Founded in 2008
- ✓ Locations in Israel and the USA, 300 employees, 100 R&D Positions
- ✓ More than 100 patents
- ✓ Secure Manufacturing facilities in Israel and the US
- ✓ Main Markets: US, Canada, Europe

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