

Military-Grade Encryption. Zero Trust Architecture. 100% Self-Hosted. 100% Your Control.



Delta

Enterprise Secure Messaging Platform



E2EE

End-to-End
Encrypted

Zero

Third-Party
Dependency

100%

On-Premises
Control

Multi-Platform Clients

Android, iOS, Desktop
(Win/Mac/Linux), Web PWA

Signal Protocol Encryption

Same proven cryptography
trusted by security agencies
worldwide

Admin Console

Full organizational
control users, devices,
policies, audit



BLE Mesh Network

Off-grid communication
when internet is
unavailable

Video Conferencing

Group video calls with screen
sharing, up to 50 participants

Self-Hosted Deployment

On-premises, air-gapped, or
private cloud — you choose

Signal Protocol Encryption Features



Secure Communication Framework

Signal Protocol Encryption

Proven cryptographic
trusted by security
agencies worldwide.

Self-hosted Deployment

On-premises,
airgapped, or private
cloud - you choose

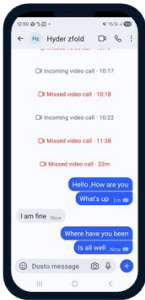
Multi-Platform Clients

Android, iOS, Desktop
(Win/Mac/Linux), Web
PWA.

Admin Console

Full organizational
control over users,
devices, and policies.

Platform Features

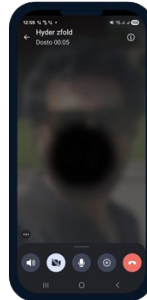


SECURE MESSAGING

1:1 & Group Chat
E2E encrypted text, voice, media

Disappearing Messages
Auto-delete with configurable timers

Media Encryption
Photos, videos, docs encrypted at rest

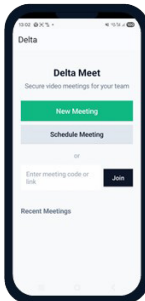


VOICE & VIDEO CALLING

Encrypted 1:1 Calls
P2P WebRTC with SRTP encryption

Group Video Conference
Up to 50 participants, screen share

Add Participants
Seamlessly add contacts mid-call

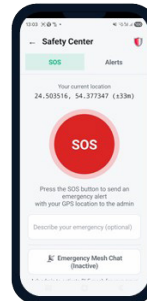


DELTA MEET

Instant Meetings
One-tap create or join with shareable link

Schedule Meetings
Calendar invite with auto-generated room

Meeting History
Track past meetings and participants



SAFETY & EMERGENCY

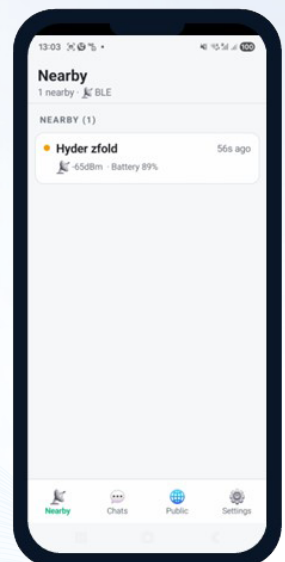
SOS Panic Button
Emergency alert with GPS location

Emergency Broadcast
Lockdown, Evacuate, All Clear

Geofencing
Admin zones with violation alerts

BLE MESH NETWORK

- **Offline Mesh Chat**
Private and broadcast messaging between nearby devices — no internet, no cell towers, no Wi-Fi required
- **Contact Discovery**
Auto-detect nearby Delta users via Bluetooth scanning — see who's in range within 30 seconds
- **Multi-Hop Relay**
Messages hop between devices to extend range beyond 100m — each phone acts as a relay node
- **SOS Emergency Beacon**
One-tap emergency broadcast with GPS coordinates to all nearby peers — works without any network



MULTI-NODAL ARCHITECTURE

For disaster response and field operations, Delta deploys portable server nodes that auto-discover each other and sync contacts over any available radio. Each node is a laptop running the full Delta server

Layer 1: Internet

Central serve
normal mode, full features

Layer 2: Private LTE

Multi-nodal via Lemko/Rajant
voice + video

Layer 3: BLE Mesh

Phone-to-phone, 100m range
text + SOS

Layer 4: LoRa

Meshtastic nodes, 10km range
text only

Four Layers of Resilience

If one layer fails, the next takes over automatically. Zero single point of failure.



Ready to Secure Your Communications?

Contact us for a demo or proof-of-concept deployment

contact@mphatek.com | Visit: www.mphatek.com

Head Office - India

5th Floor, B Wing,
Pride Silicon Plaza,
S.No.106, Near
Chaturshringi Temple,
Senapati Bapat Road
Pune - 411 016

UAE

mPHATEK COMPUTER
SYSTEM LLC.
Office No. 21, 30th
Floor, Al Moosa
Tower 2, Sheikh Zayed
Road, Dubai

South Africa

1st Floor, Aptus
House, Riverpark,53,
Autumn Street,
Rivonia,
Johannesburg 2128

Canada

mPHATEK Systems Inc.
534 Lawrence Avenue
West, Suite 220
Toronto ON M6A 1A2

USA

mPHATEK Systems Inc.
8 The Green,
Dover, Delaware
19901