SAT DATA®

EMERGENCY COMMUNICATIONS FOR DISASTERS AND CRISES

Keep communicating, even when networks fail

Cell towers and power down? SatData brings internet and WiFi to where it is needed, so radios, phones and laptops stay connected.



Satellite | LTE/5G | WiFi | Push-to-talk

We keep you connected, worldwide.

YOUR CHALLENGE, OUR SOLUTION

Connectivity at the scene of the disaster

In floods, wildfires, storms or a major power outage, mobile networks are often the first to fail or become congested. SatData connects via Starlink satellites and uses LTE/5G wherever it still works.

Starlink
satellite, independent of towers

30 sec.
switch on and you are online

WiFi
internet for the whole team on site

Push-to-talk over internet
Radios with WiFi or a SIM talk to each other and to the control room via SatData.

Connect existing radios
A RoIP gateway links existing analogue or DMR radios to the internet.

WiFi hotspot
Responders work with laptops, tablets and phones.

Satellite + LTE/5G
Starlink and mobile internet, also bonded.

Independent power
Battery, 12/24V or 110/230V, vehicle or field.

Live video
Drone and camera footage to the command post.



Ready to deploy
On the vehicle, in a case or on the ground: connected within a short time.

HOW IT WORKS

Connecting radios via SatData

Push-to-talk over the internet works like a regular radio: press the button, talk, and the whole group hears you. The voice travels as data via SatData and the satellite, so range is not limited to the reach of a transmitter.

Radios
PoC, WiFi or via RoIP gateway

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SatData
router with WiFi

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Starlink
satellite link

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PTT server
talk groups in the cloud

›

Control room
and teams elsewhere

POC RADIOS

Push-to-talk over WiFi

PoC radios and PTT apps on smartphones join the same talk group via the SatData WiFi.

EXISTING RADIOS

Connect with RoIP

A RoIP (Radio over IP) gateway links analogue or DMR radios via SatData to teams at other locations.

SMARTPHONES & LAPTOPS

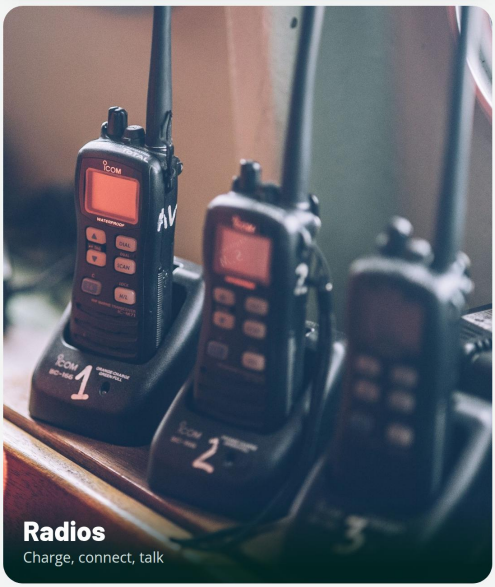
Everyone in one group

Managers and the control room join via an app or a PC.

GOOD TO KNOW

An addition, not a replacement

SatData does not replace official emergency networks such as C2000 or TETRA. It adds a link for voice, data and video.



Radios
Charge, connect, talk



In the field
Range via satellite

MORE THAN VOICE

What SatData enables in a disaster

With internet and WiFi on site, you can do much more than just talk.

Command post online
Maps, email, cloud systems and reporting.

Live video
Drone and camera footage to the command post.

WiFi at shelters
Affected residents can let family know they are safe.

Calls over internet
VoIP and app calls when mobile networks are busy.

Sensors and cameras
Water levels, sensors and cameras stay online.

Backup during outages
Town hall, care facility or business stays reachable.

SUITABLE MODELS

PortLink
WiFi and built-in 10 Ah battery

Nexus
Long use without mains power

Fusion
Starlink and LTE/5G combined into one connection

VanGuard
IP67 and IP69K rated



Wildfire
Connected when cell towers fail

Prepared for the unexpected?

Visit satdata.eu →

We are happy to help you plan emergency communications for your organisation.

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