

2iCCONNECT TAK



SOFTWARE FOR MANUFACTURERS, DISTRIBUTORS AND INTEGRATORS OF TACTICAL COMMUNICATIONS SYSTEMS

2iC CONNECT:TAK software makes TAK work in DDIL (Denied, Degraded, Intermittent, Limited) environments. It adds resilience and works when the Internet isn't available.

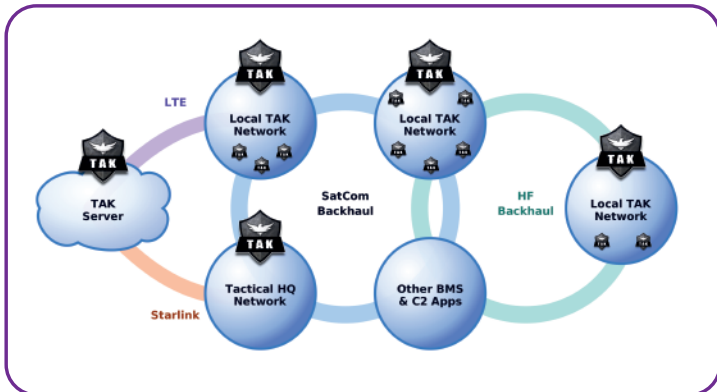
Out of the box, it connects "islands" of TAK users across any bearer. It solves the mixed fleet challenge without needing flat IP architectures, static addressing, or cloud routing.

2iC CONNECT:TAK enables location sharing, reliable chat, and centre-of-mass reporting with built-in throttling, reliable delivery, and bridging. It ensures mission-critical information flows across fragmented and degraded networks at the tactical edge and up to higher echelons.

WHAT DOES IT DELIVER?

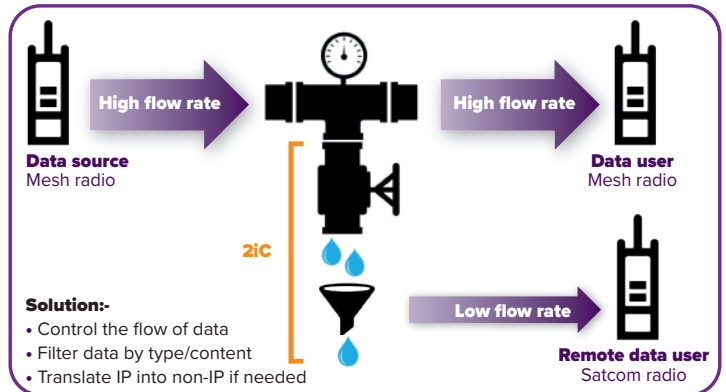
- Instantly connects ATAK users across different networks for sharing locations, markers, alerts, chat and centre of mass.
- Automatic video discovery in ATAK with no manual configuration required, reducing human error.
- Bridges multiple radio 'bubbles', locally and over backhaul systems such as microwave links, Satcom and HF with built-in reliable sending and bandwidth throttling.
- Scalable and manageable comms by bridging networks and avoiding hard-to-manage flat networks.
- Proven with BLOS, SatCom, HF, MANET, and soldier radios, with support for both IP (out the box) and non-IP bearers via a plug-in architecture.
- Bandwidth protection through automatic high/low network switching, traffic control and optimised transmissions.
- Works with existing tactical radios, serial links and bespoke bearers. Shown on trials to reduce network traffic by 95% without reducing information quality.
- Open modular architecture that supports rapid integration and extension into evolving environments (e.g. BMS, standards).

TAK NETWORK BRIDGING



Software only: no need for extra equipment, it complements existing systems. Whether you're adding sensors, autonomous platforms or effectors, 2iC scales quickly with extensions developed in days not months.

BACKHAUL DATA EXPLAINED



Modular and open specification: need a different battle management system, not just ATAK? Have a proprietary non-IP radio bearer? No problem. **2iC CONNECT:TAK** is modular and easily extended by you or by 2iC.

USE CASE

2iC was engaged by a UK radio manufacturer to add a data integration layer to their offering. **2iC CONNECT:TAK** was used to allow ATAK locations to reliably and efficiently transit their low bandwidth radio and seamlessly integrate with wider networks. Further, centre of mass was used to reduce network traffic and 2iC made TAK Chat reliable over interrupted links. Easy integration with non-TAK environments also gave their radio an additional selling point.

PRICING

2iC software is available immediately and avoids vendor lock-in. Pricing is flexible: SaaS for pay-as-you-go or traditional licenses, both with discounts for R&D use and volume purchases.

NEXT STEPS

Need to accelerate your sales? Use 2iC software to rapidly integrate your products for trials and testing, with an easy route to scale to full production solutions with built in future-proofing.

ABOUT 2iC

2iC is a UK tech company specialising in digital interoperability in the battlespace. 2iC's proven off-the-shelf software connects and controls systems and devices not originally designed to work together. These are typically uncrewed, unattended or wearable, and operating without fixed infrastructure or reliable internet access.

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**CONNECT
FOR EFFECT**

2iC