

## Need

Mobile broadband koneksen hemi olsem founlesen blong dijital ikonomy mo hemi wan impoten samting blong sapotem difens, pablik sef, help long taem blong disasta, mo blong givim kavman sevices. Faef jenereisen (5G) selula network oli givim koneksen long taon mo eria long saed blong taon, be ol ples long bush mo rijin olbaot long wol oli stap kasem smol nomo.

Komesel Low Earth Orbit (LEO) satalaet broadband, olsem maket lida Starlink blong SpaceX, hemi mekem bigfala jenis blong koneksen long ol ples long bush mo rijin.

Be, ol kavman mo ol bigfala bisnis (enterprise) oli fesem tri bigfala hadfala samting blong yusum ol consumer-oriented sevices olsem Starlink blong koneksen we hemi impoten tumas long wok blong olgeta:

- I no gat wan satalaet network nomo we hemi save givim tru mo stap fastaem koneksen;
- Starlink i no gat ol advans sefti blong network mo ol fasin blong manijim longwe; mo
- Ol Starlink terminal ikwipmen i no strong mo i no redi blong yusum long taktikol wok.

## Solusen

Edge Spark® Connect™ i mekem LEO mo 5G koneksen we oli joenem i kamwan i fas mo isi blong yusum. Edge Spark® Connect™ i joenem wan Starlink terminal, 5G modem, router blong bigfala bisnis, mo Wi-Fi akses point insaed long wan strong mo weda-pruf bokis. I no nid blong openem o setemap bifo yu save yusum Edge Spark® Connect™. Yu nomo pres wan baton blong onem, wet smol taem blong Wi-Fi i kamaot, nao yu save konektem divais blong yu blong go online.

Hemi isi blong yusum long filed from we i gat strong sistem blong remote monitaring mo manijmen long Network Operations Centre. Ol organisesen oli save lukaot status mo ples blong hem long taem we i stap naoia.



blong olgeta Edge Spark® Connect™ we oli bin putum long wok, oli save lukaotem yus blong hem, mo oli save from longwe blong open o stopem akses mo ol sevices blong ol yusa. Cognitive Advantage i givim ful manij, haf manij, mo manij we kastoma nomo i lukaotem, blong sapotem Edge Spark® Connect™.

Blong ol organisesen we oli gat moa advans nid blong koneksen, Edge Spark® Connect™ i save kam wetem wan faktori-install mo fulwan integreit DTC BluSDR™ mesh radio. Plante trak, droon, robos, mo ol man we oli gat han-held redio oli save yusum wanwan koneksen blong internet we wan Edge Spark® Connect™ unit i givim, wetem no trabol blong serem.



## Ol Model

Evri Edge Spark® Connect™ model oli yusum sem teknologi insaed. Evri model hemi mekem gud blong faenem stret saes, we, mo paoa we i stret long defren fasin blong wok mo ples blong yusum.

## Ol Feja mo Ol Gudfala Samting

### **Multi-WAN Koneksen**

Feja: I joenem LEO satalaet, 5G selula, mo Wi-Fi long wan unit nomo.  
Gudfala Samting: I givim kwik mo stret internet long ol ples we i gat smol nomo lokal infrastraka.

### **Mesh Radio We I Joenem**

Feja: I mekem mesh netwok we i go gud wetem ol trak, droon, robos, mo han-held redio.  
Gudfala Samting: I mekem ples netwok i go moa big mo i sapotem ol tim we oli stap long defren ples blong serem wan internet koneksen nomo.

### **Strong Enkloja**

Feja: Weda-pruf mo redi blong yusum long filed, i no nid blong openem bifo.

Gudfala Samting: I save wok long hadfala ples wetem smol set-up nomo – i stret blong taktikol, emergensi, o yus long ples longwe.

### **Wan-Baton Operesen**

Feja: I stat kwik wetem no nid blong mekem eni konfiguresen.

Gudfala Samting: I mekem ol yusa we oli no gat skil long teknoloji oli save go online long smol taem nomo.

### **Ol Fasin Blong Putum Long Wok we I Fleksible**

Feja: I save kam long tri defren model.

Gudfala Samting: I gat ol solusen we oli stret blong putum long trak, blong fly-away kit, mo blong man-portable yus.

### **Paoa We I Yusum Smol**

Feja: Ol model oli stat long 30W i go kasem 90W, mo evriwan oli wok gud wetem 12-24V DC input.

Gudfala Samting: I mekem hem i save wok hem wan long ples we i gat smol nomo lokal infrastraka.

### **Router Blong Bigfala Bisnis**

Feja: I gat WAN bonding insaed finis, SDN/VPN we i enkrip, mo firewall.

Gudfala Samting: I sapotem sekiua koneksen we hemi impoten tumas long wok, nating se i stap yusum komesel satalaet mo selula netwok.

### **Remote Manijmen**

Feja: I save lukaot ples blong hem long taem ia, monitarem yus, mo kontrolim ol seviles longwe long Network Operations Centre.

Gudfala Samting: I mekem i isi blong lukluk long evri unit blong fleet, manijim, mo kontrolim, blong katdaon long had wok mo wok long filed.

### **Manij Solusen**

Feja: Yu save jusum ful manij, haf manij, o manij we yu mekem yu wan.

Gudfala Samting: I stret wetem abiliti blong lokal IT, ol rul blong kaonples, mo ol fasin blong wok we yu laekem.



**Edge Spark®  
Connect™**



100 users   90W   16kg

Koneksen we i wok strong blong ol bigfala saet

**Edge Spark®  
Connect Lite™**



50 users   30W   8kg

Koneksen we yu save karem go longwe blong ol smol tim

**Edge Spark®  
Connect Pod™**



50 users   30W   6kg

Mekem koneksen i wok wile i stap muv blong eni trak o vehikol



## Ol Eksampol Blong Fasin Blong Yusum

### Heltkea Blong Komuniti Longwe

Chalens: Wan komuniti blong ol Indigenous we i stap longwe i nidim fas mo sekiua koneksen blong mekem telehealth sevices. Ol mobile klinik mo outreach tim we oli kam visit oli save kasem had taem blong holem koneksen we i stap fastaem long filed, speseli long taem blong emergensi o taem we weta i nogud tumas.

Solusen: Edge Spark® Connect™ oli putum long senta blong komuniti. Ol helt wokman we oli kam visit oli nomo onem unit blong kasem sekiua broadband we i stret blong telehealth konsal, blong transferem pasien data long taem ia nomo, mo blong lukluk long diagnostic imaging. Wan fly-away medikol tim tu oli kasem wan Edge Spark® Connect Lite™ unit blong yusum olsem bakap blong sapotem ol visit blong olgeta long komuniti.

Aotkam: Ol mobile helt tim oli save givim telehealth sevices we i stap fastaem, oli save kasem sekiua akses long elektroniki medikol rikod, mo oli save holem koneksen wetem hospital mo ol speselist long eniplis.



## Kwik Repons Long Ol Eria We Disasta i Bin Karem

Chalens: Ol emergensi sevis we oli respon long busfaea mo flood oli nidim broadband koneksen long ol eria we netwok mo paoa infrastraka i bin bagarap.

Solusen: Edge Spark® Connect Lite™ we i laet nomo oli tekem long helikopta i go long ol filed base mo putum long wok blong ol man we oli no gat teknikol skil, yusum wan-baton blong stat. Ol batri insaed i givim haoa blong wok go kasem taem we bakap paoa i kam. Ol tim oli yusum Wi-Fi blong kasem ol tul blong koordinet incident, uploadem ol pija blong droon, mo mekem VoIP kol long Starlink.

Aotkam: Ol fes repons tim oli stap online long smol taem nomo afta we oli kasem ples. Kontrol senta i save lukaotem longwe ol man mo ol samting we oli stap long filed, mo koneksen i stap fastaem nating se lokal infrastraka i bin kat of.



## Mobile Koneksen Blong Ol Yutiliti Kru

Chalens: Ol yutiliti kru we oli wok blong lukaotem mo mekem wok long paoa laen long ol rijin eria oli kasem trabol long ol ples we koneksen i lus, we i mekem i had blong kasem digital wok oda, ol aset database, mo sefti sistem.

Solusen: Edge Spark® Connect Pod™ oli instalem long ol trak blong kru. Smol mo stret-fom enkloja blong hem i mekem se i save wok oltaem wile hem i stap muv, i givim mobile hotspot blong ol tablet mo ol tul blong diagnos. Ol teknisen oli stap konek wetem ol sentrol sistem nating se oli stap muv bitwin ol job site.

Aotkam: Prodaktiviti i go antap from i no gat taem blong wet. Ol manija oli save lukaot ples blong kru, konfemem finis blong wok long taem ia nomo, mo toktok long sekiua wei long netwok we i stap fastaem.



## Bakhol Blong Ol Temporeli Filed Netwok

Chalens: Wan longwe mining eksplorsesen saet i nid blong setemap wan temporeli kamp we i gat akses long internet blong wok planing, serem fael, mo mekem video kol. Blong putum faeba o bigfala Geostationary Earth Orbit (GEO) satalaet terminal hemi no isi blong mekem.

Solusen: Edge Spark® Connect™ oli putum olsem praimari bakhol nod blong ful kamp. BluSDR™ mesh radio we i stap insaed i mekem se koneksen i save go long ful kamp long saed blong plante meshed Wi-Fi hotspot, blong givim koneksen long evri tim mo evri divais.

Aotkam: Ful akses long internet i bin givim long evri ples blong wok we i stap long defren saed, yusum wan bakhol divais nomo. IT staf long HQ oli save monitarem sistem longwe, mo sem unit bae oli muvum mo yusum bakegen long nekis saet.



## Taktikol Komunikesen Blong Ol Militeri Fos

Chalens: Ol taktikol tim we oli wok long ples we bus i tik tumas oli nidim sekiua mo stret koneksen blong koordinet wetem ol trak, UAVs, mo koman pos. Selula kaverej i stap kam an go, mo ol satalaet komunikesen we i stap naoia i no gat inaf spid mo fleksibiliti.

Solusen: Edge Spark® Connect Pod™ oli instalem long evri trak, i givim koneksen we i joenem Starlink mo 4G/5G wetem VPN tunnel we i enkrip i go bakegen long HQ. BluSDR™ mesh radio we i stap insaed i mekem se ol man we oli kamaot long trak mo ol droon oli save stap konek tru long eni trak, nating se i no gat selula tower klosap o klia view blong luk satalaet. Aotkam: Koneksen we i stret mo sekiua i bin setap long smol taem nomo afta we oli kasem ples. Ol tim oli stap gat ful akses long netwok long ful misen, nating se Starlink i lus view blong sky blong smol taem – koneksen i save kwiktaem go long selula wetem no trabol. Remote monitoring i mekem HQ i save lukaot ol ikwipmen mo manijim bandwidh longwe.

