



THE NEW ARCTIC CONNECTED MINE



NUNAVUT MINING SYMPOSIUM
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Panarctic
Communications

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INUKNET

GALAXY® **30**
YEARS
Keeping You Connected

PANARCTIC COMMUNICATIONS AND GALAXY BROADBAND COMMUNICATIONS FORM NEW ARCTIC TELECOM COMPANY

Panarctic Communications, a wholly -owned subsidiary of Qikiqtaalik Corporation and Galaxy Broadband Communications, a wholly-owned subsidiary of Crown Capital Partners Inc. (TSX: CRWN), have formed a new telecom company to service Canada's Arctic – INUKNET Communications Inc. ("INUKNET").

INUKNET is majority Inuit owned – Head office in Iqaluit





Experience A New Approach To Business Internet In Nunavut

No matter how remote your business is, get connected with a better internet experience. At INUKNET, we're committed to deliver fast, reliable and secure internet services to businesses and remote sites across Canada's Arctic.



INUKNET is
Inuit Owned & Operated



"Unlimited Plans"
with No Overage Charges



24x7 Dedicated
Technical Support



Faster Speeds &
LEO Low Latency Internet



Connecting 25 communities
in Nunavut



Solutions for Community,
Mining, Governemnt, Energy
and Construction Businesses

For Over 10 Years We Have Been Providing **Communication Solutions to Canada's Arctic Mining Companies.**



Transforming the Mining Industry with **Transformational Communication Solutions.**

GiiG

GiiG
SDWAN
Gateway

Private
Network

OneWeb STARLINK

NOKIA

SmartSite



Δ.ο.σ.α.ε
INUKNET

Cyber
Security

SmartSite
Everything Connected
Everything Managed

Satellite
LEO/GEO

Redundancy

First Big Development - The Galaxy integrated internet Gateway (GiiG)

This system manages the site through SDWAN technology that offers application routing for the best user experience and increased reporting for internet solutions firewall/Cyber Security, LAN distribution controller for Wi-Fi and P2P.

Multiple Internet sources:

- **Ka band SES17 high powered** – Netflix and back up
- **C band Telesat** – Most expensive Bits but most reliable
- **LEO satellites One Web** – Game Changer with enterprise low latency and dedicated bandwidth (CIR)
- **LEO satellites Starlink** – Residential service, browsing, cheapest bandwidth



GiiG

GALAXY
INTEGRATED INTERNET
G A T E W A Y

Second Big Development - **The LEOs Are Here**



150x30 Mbps



Low Latency



Global Coverage



24x7 Technical Support -
OneWeb only



QoS Tagging and SLAs -
OneWeb only

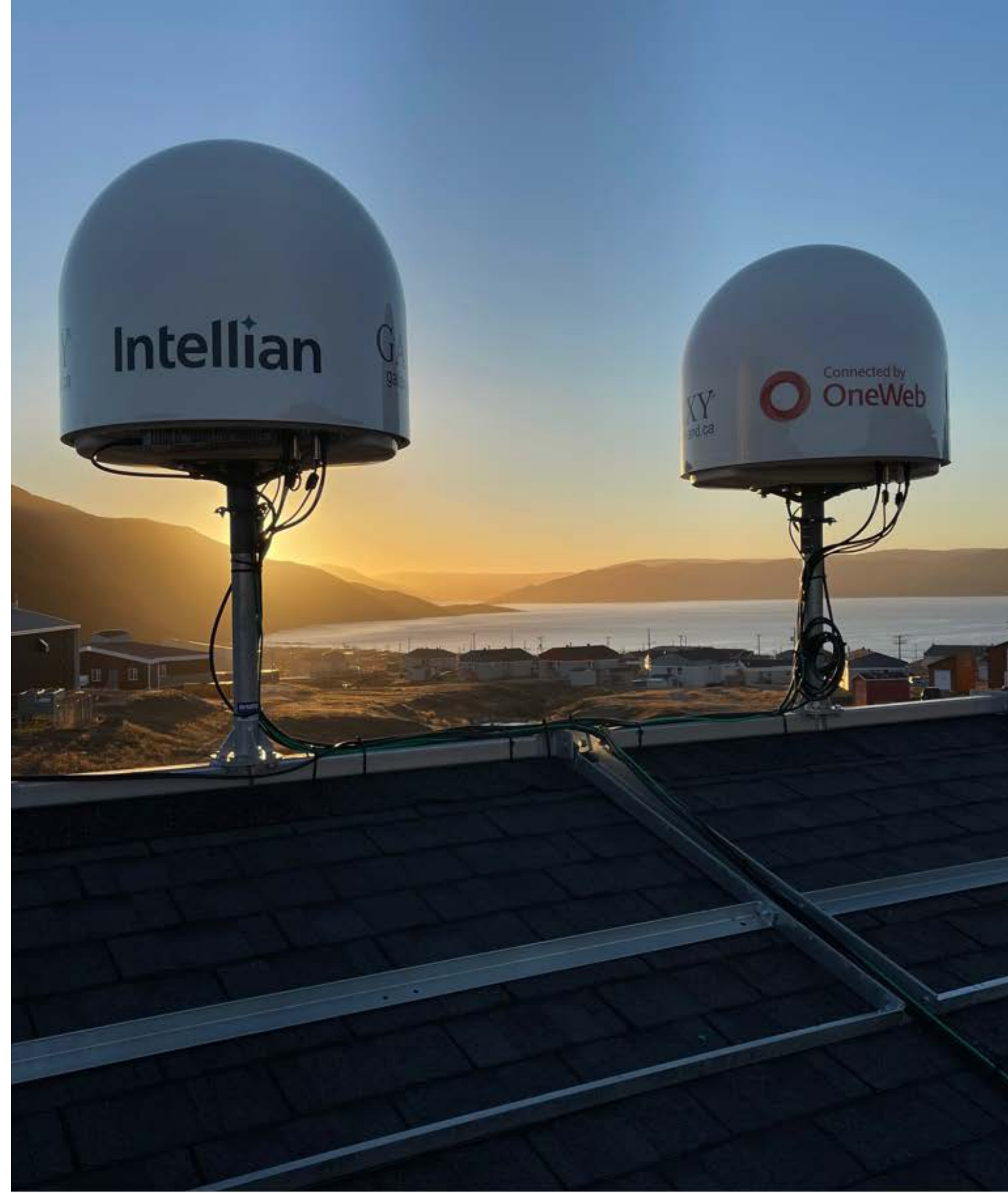




The OneWeb Advantage

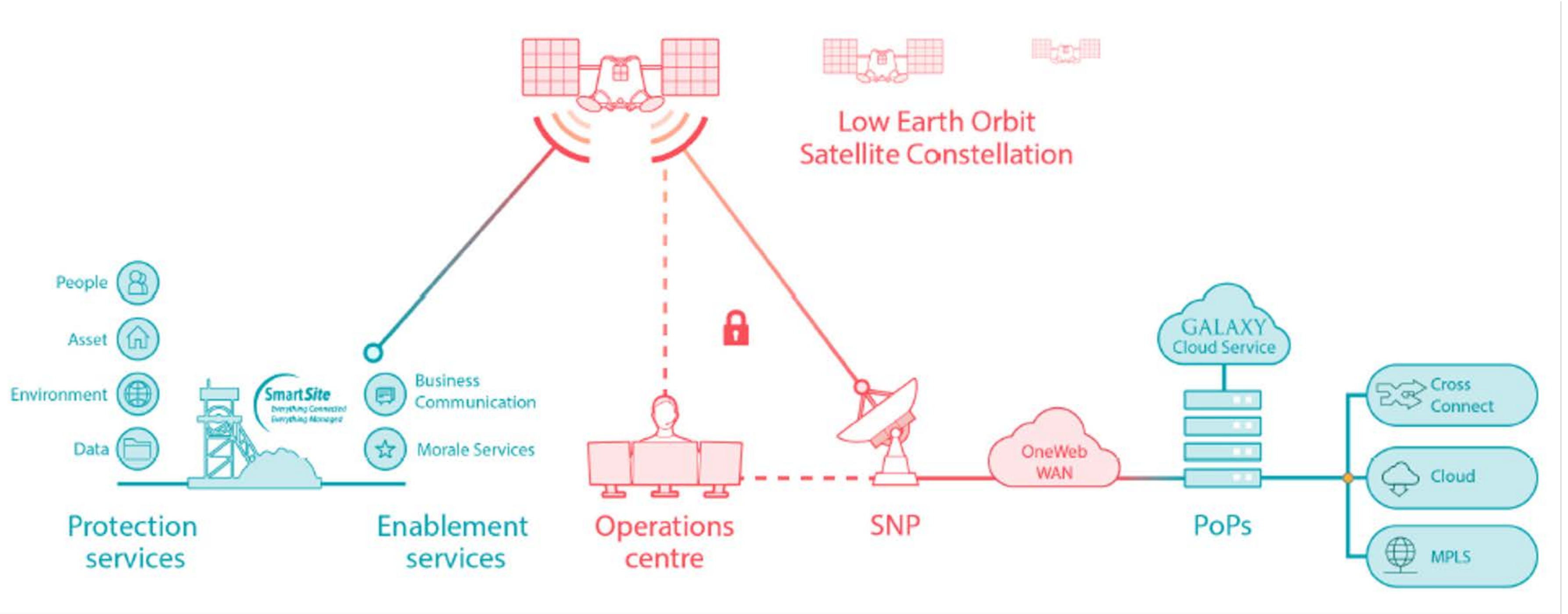
Low Earth Orbiting (LEOs) are transforming remote internet with fiber like connections anywhere – OneWeb and Starlink

- **These allow the user experience to be very close to a fiber connection that enables automation, remote control, and autonomous vehicles. This allows remote Arctic mines to be more profitable and competitive globally**
- **Mines can now deploy new software such as SAP, Citrix and TEAMS that increase worker productivity, and mine profitability**
- **Better internet increases worker morale – higher retention**



I'm Doug Harvey from Galaxy Broadband,

Galaxy (INUKNET) and OneWeb Partnership



Third Big Development - Private LTE/5G

NOKIA

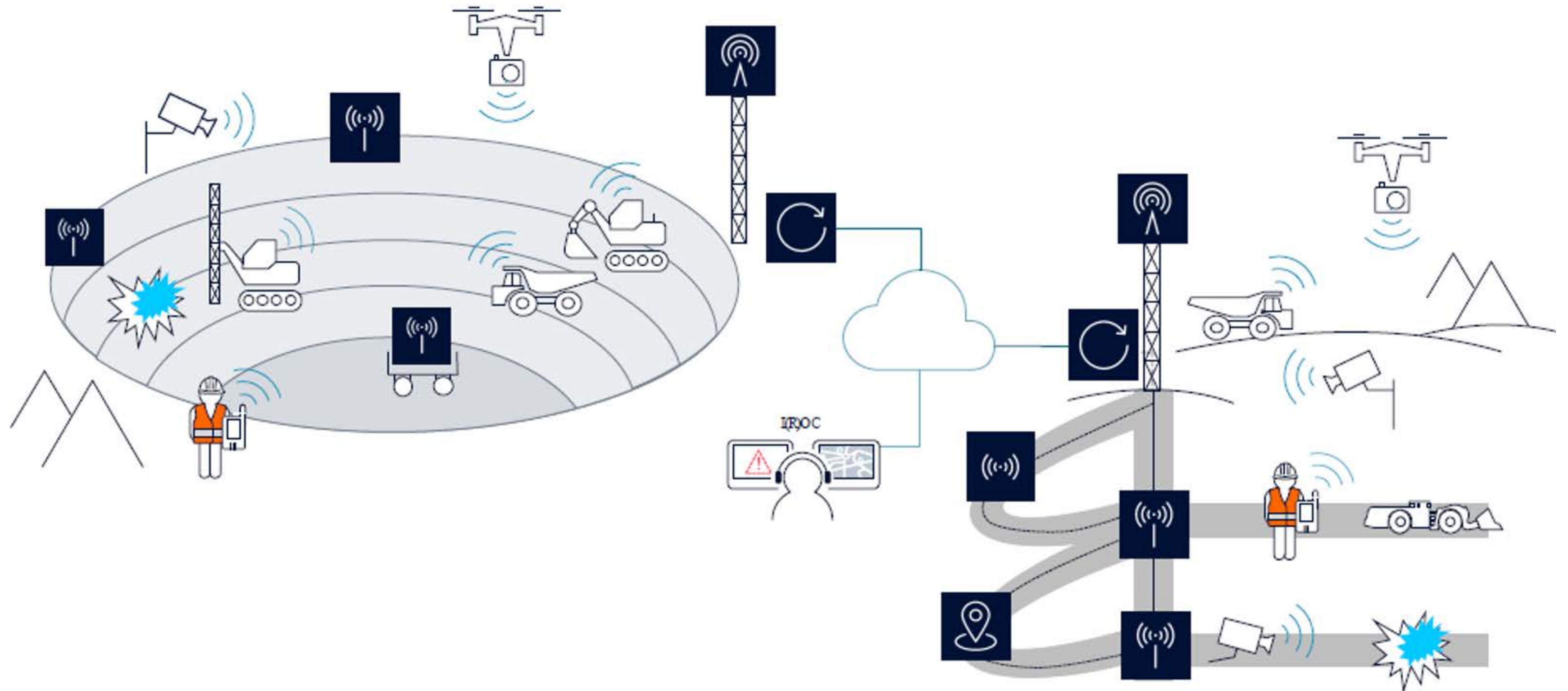
Solutions
4.0 you

@nokiaindustries



Open-pit vs. underground mines

Two different environments, same network technologies





Monitor all operations in real time to respond quickly to critical events

360° situational awareness

Analytics for video feeds

Industrial location tracking and geofencing

Data connectivity from/to machinery, vehicles and IoT sensors

IoT sensors monitor machines, vehicles, environment and workers' safety/health

Mission-critical Push-to-Talk and Push-to-Video communication

Use cases for mining

One single network for creating the connected digital mine



Fourth Big Development - **SmartSite**



Reliable & Secure



End-to-end management



High Performance





Satellite TV Service

An extensive channel line up including pay-per-view events, complete with a customizable welcome screen and guide.



SCADA / IoT

Connect all of your sensors, gather information, and monitor all your activity over our links.



SMU / Managed Services

Complete IT solutions that help you manage your bandwidth and costs. We protect, manage, and report to ensure best end user experience.



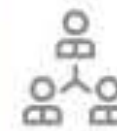
Morale / Public WiFi Access

Easy and reliable site wide wireless access to Internet and Pay2Go Hot Spot services on mobile devices, laptops, and tablets, up to 10Gb.



Office / Contractors VLAN

Multiple networks are available for corporate offices, Contractors or VIPs through separate VLAN networks that can be accessed site wide.



P2P & Structured Cables

Connect all of your buildings and offsite locations with fibre and P2P Microwave.



VoIP / PBX

VoIP solution for the offices or morale / public users that delivers fully featured phone service including PBX options over our satellite or P2P wireless networks.



Private LTE/5G

Overarching network providing complete site connectivity for IoT, video, device connectivity and automation.



Satellite / Redundancy

Galaxy's multi-satellite fleet provides the widest choice of available speed and throughput to your site for the best performance and complete redundancy.

THE INUKNET Edge



The GiiG provides multiple internet connection for redundancy, lower cost of Mbps and best management of bandwidth



LEO satellite networks provide faster, low latency– fiber like connections that enable new software implementation for more efficient and profitable mines with an empowered and happier workforce



Private LTE provides an over arching technology that connects everything which improves productivity, ensures safety and enables monitoring



SmartSite totally manages, connects and monitors your site with 24/7 support – turn key solution = peace of mind



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Doug Harvey

dharvey@inuknet.ca

416-722-5282