



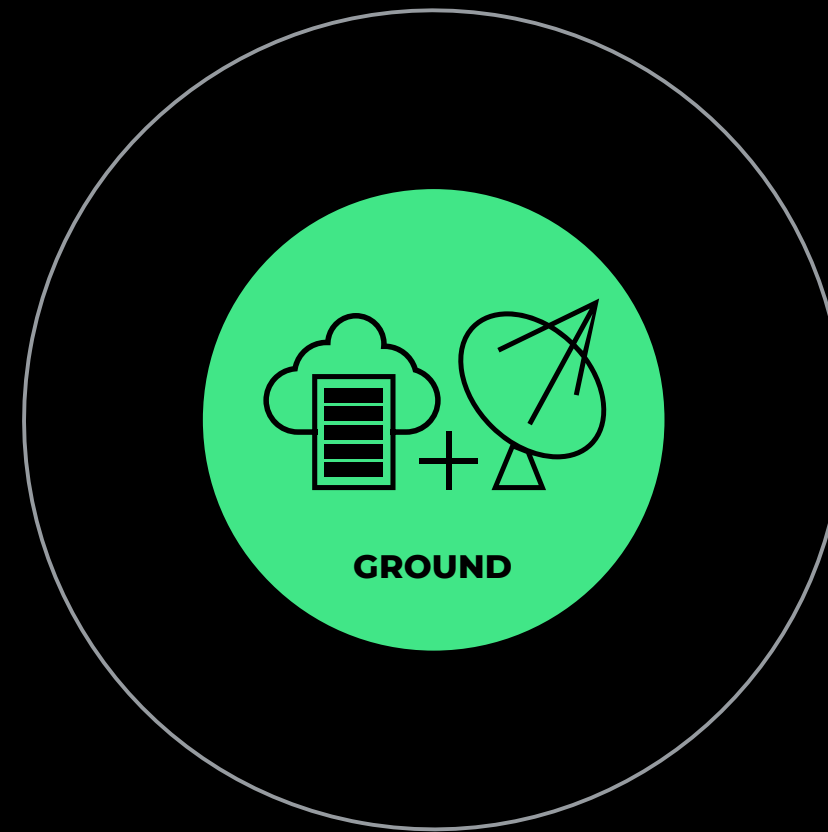
INTUITION

*WHAT IF YOU
COULD FUNDAMENTALLY
CHANGE THE WAY
SATELLITE NETWORKS
ARE DEPLOYED?*

Overcoming the roadblocks to exponential growth

Unlocking satellite transformation through ground segment innovation

In a world evolving at lightning speed, the satellite industry has made significant strides to integrate. The key to satellite transformation lies in the ground segment, serving as the final critical factor in this transformation.



Roll over icons to learn more

5 roadblocks to growth at scale

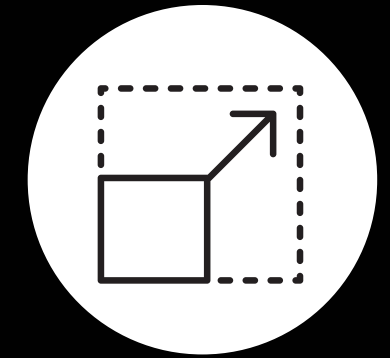
Operators face numerous challenges in network deployment. These common roadblocks impede the true reach and scale of the latest generations of satellites and those to come. To achieve the success they aspire to, operators and service providers need more innovative ground solutions.



**OPERATIONAL
COMPLEXITIES
AND MANUAL
PROCESSES**



**OPTIMIZING
SATELLITE
CAPACITY**



**NEED FOR SCALE
AND SPEED
TO MARKET**



**INCREASED
SECURITY AND
ACCESSIBILITY**



**NETWORK
DEPLOYMENT
FLEXIBILITY**

Introducing Intuition

**WHAT IF
YOU
COULD...**

amplify the potential of
your satellites?

chart a path to deliver
services across a
network of networks?

provide unity of operations
on your journey to
integration with the larger
telco ecosystem?



INTUITION

AT EVERY STEP

An advanced, secure satellite networking ground system based on a cloud-native, multi-orbit architecture that capitalizes on automation and the latest standards-based technologies, and unifies iDirect's industry-best capabilities.

Intuition core capabilities

Intuition core capabilities

Unifying iDirect's industry-best technologies with the latest innovations



CLOUD-NATIVE ARCHITECTURE

Scale services quickly and securely for the fastest return on investment



INTELLIGENT MULTI-ORBIT SUPPORT

Deliver tailored services for every application



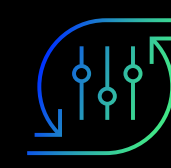
STANDARDS-BASED NETWORK CONVERGENCE

Efficiently integrate your satellite network into the global communications domain



AUTOMATION AND END-TO-END ORCHESTRATION

Leverage dynamic orchestration and automation for network operations



FLEXIBLE GO-TO-MARKET MODELS

Expand your customer base with the broadest range of business models



SECURITY AT THE CORE

Protect your network from evolving threats

Virtualized, cloud-based architecture

Scale services quickly for the fastest return on investment

VIRTUALIZED NETWORK AND BASEBAND PROCESSING

Achieve high performance scale and agility with private and public cloud deployments on COTS equipment, keeping capex low

DIGITALIZATION STANDARDS

Use DIFI standard for satcom cloud-based deployments

CLOUD-BASED NETWORK MANAGEMENT AND ORCHESTRATION

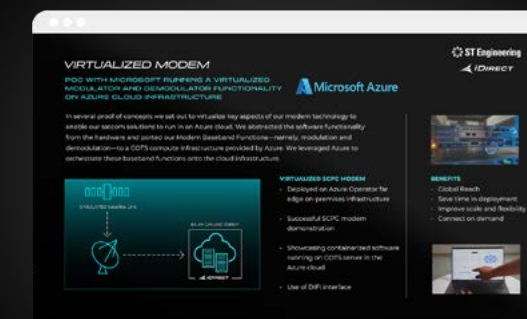
Unlock high level of scalability and resiliency

VIRTUALIZED MODEMS AND EDGE-CLOUD FUNCTIONALITY

Increase flexibility and deployment speed



Learn more about our recent virtualization demos



Intelligent multi-orbit support

Deliver the right services for every application on every orbit



OPTIMIZED BEAM AND BANDWIDTH MANAGEMENT

Truly differentiated features enable multi-orbit service: optimized beam switching, bandwidth management of beams and satellites, high data throughput, and efficiency

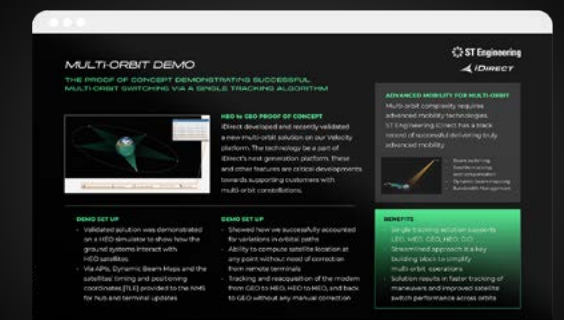
MULTI-ORBIT TRACKING

Synchronize capacity from multiple orbits using a single modem and antenna for seamless switching

MULTI-NETWORK TRAFFIC SOLUTIONS

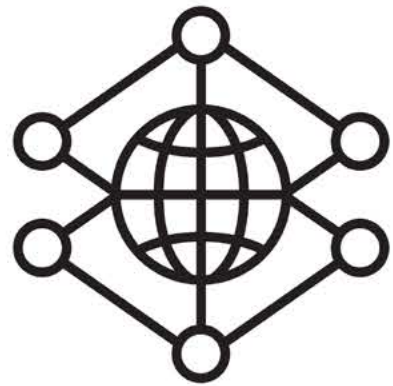
Traffic optimization & switching solutions for best path via GEO, NGSO, terrestrial, or cellular

Learn more about our recent multi-orbit demo



Standards-based network convergence

Integrate your satellite network into the global communications domain



ALIGNMENT WITH 5G STANDARDS

Create operational efficiencies from telco-standards 3GPP and MEF, as well as rich APIs for end-to-end service delivery

5G ARCHITECTURE FOR A NETWORK OF NETWORKS

Interoperability between satellite and terrestrial networks to deliver true end-to-end 5G services that leverage lower-cost terminals

PARTNERSHIPS AND COLLABORATION

Scale your business with the confidence that you are evolving with the global communications industry and a standards-based approach

Automated orchestration

Optimizing space and ground integration



SATELLITE NETWORK RESOURCE ORCHESTRATION

Dynamic control of resources and allocation enabled through iDirect partners and technology

GLOBAL BANDWIDTH MANAGEMENT (GBWM)

Efficiently manage and control bandwidth usage across entire systems to your specifications

DATA ANALYTICS / AI/ML

Leverage AI and data analytics for automated network operations

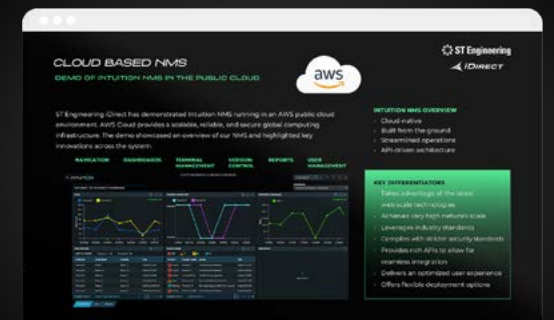
NETWORK MANAGEMENT SYSTEM

Centralized and full control

WAVEFORM INNOVATION

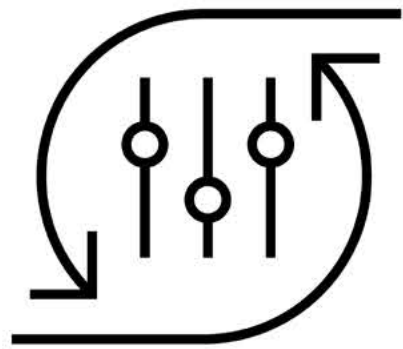
Optimize capacity with a real-time, self-organizing return link

Learn more about Intuition NMS



Flexible go-to-market models

Reach more customers



MULTI-SERVICE

Single platform serving all markets

MULTI-TIER MODELS

Use GBWM to create wholesale, managed, hosted- and virtual network operator models

OPTIMIZE SDS, HTS

Adhere to complex SLAs with QoS defined down to the terminal

INTUITION UNBOUND

Ground system capabilities and technology delivered as a consumption-based service

Security at the core

Protect your critical infrastructure against evolving threats

END-TO-END SECURITY

Provides secure access, tamper-resistant storage, software signing, and AES-256 encrypted data transmissions

BUILT-IN REDUNDANCY

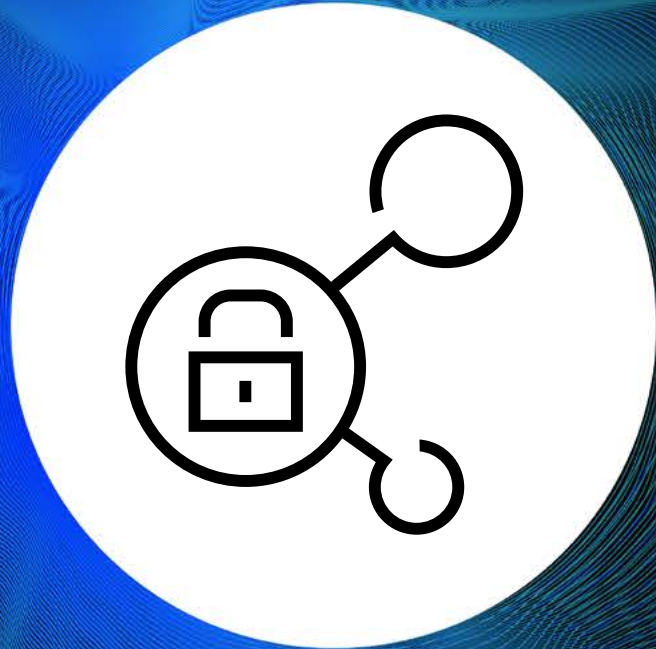
High-availability architecture, failover mechanisms, and disaster recovery deliver seamless operations and data protection

SYSTEM-LEVEL SECURITY AND ACCESS CONTROL

Multifactor authentication, role-based controls, and remote authentication enhance security and simplify user management

DEFENSE-GRADE SECURITY

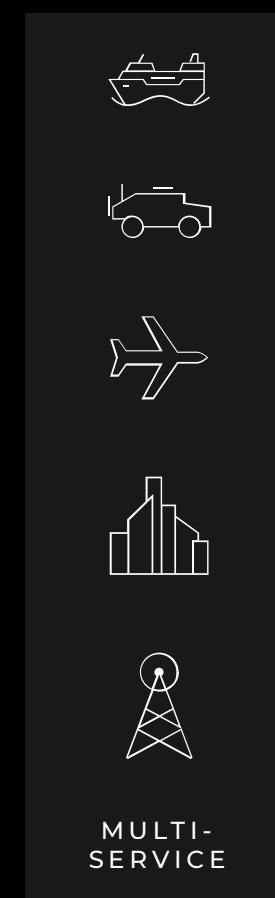
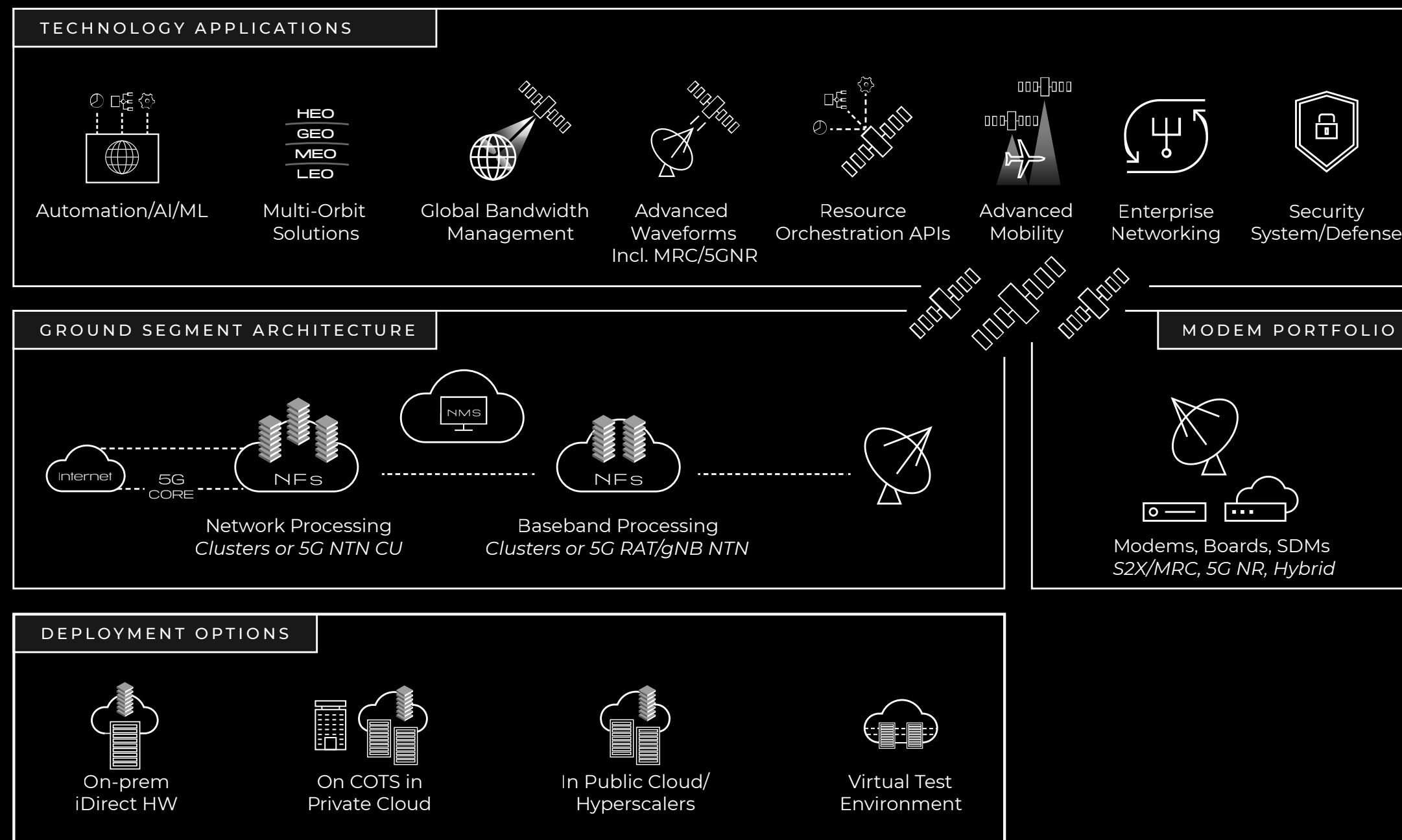
Ensure secure and resilient communications with FIPS compliance, TRANSEC, and interference mitigation



Learn more about security



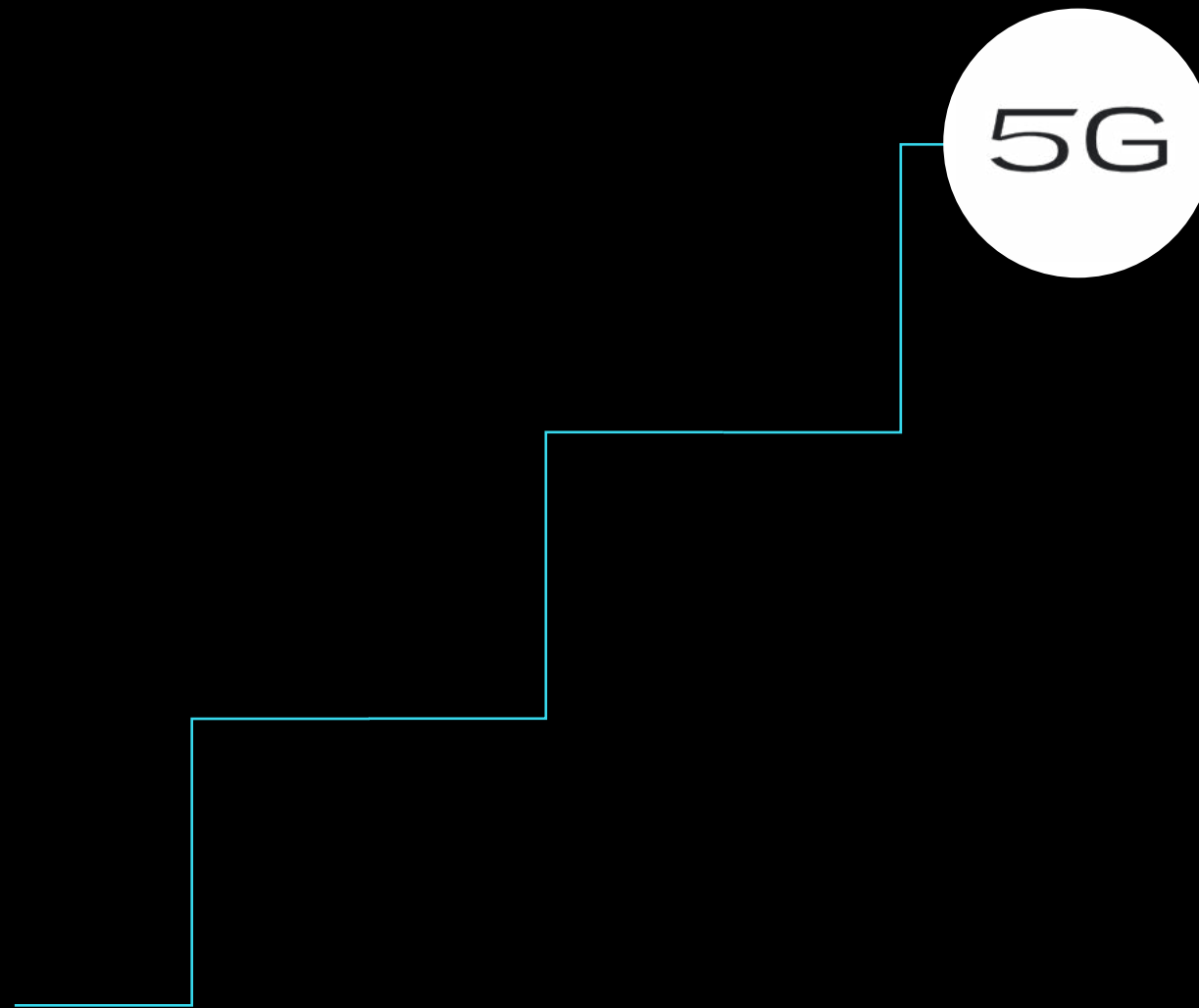
Intuition ground system



Your journey to Intuition

At every step

Scale your business one step at a time with the certainty that you are evolving in alignment with global communications industry best practices and standards, and with the confidence of investment protection in familiar, trusted products and industry-best technologies.



Roll over icons to learn more

OPTIMIZED
NETWORKS
TAKE
INTUITION

HOW CAN YOU ALIGN WITH STANDARDS AND REMAIN COMPETITIVE?

“Operators face tough competition. They need every option on the table to compete. Our customers don’t want to be vendor locked. They want resiliency, the lowest operating costs, and multiple sources of innovation.”

Intuition delivers revenue-producing technology to make it easier for our customers to invest via flexible pricing models and spin the network up and down to speed their time to market, increase end customer satisfaction, and open new opportunities.”

Sridhar Kuppanna
CEO, ST ENGINEERING iDIRECT



Your path to fundamentally change the way networks are deployed

Extract maximum value from your assets and ensure unity of operations across your networks. Transition to new capabilities at your pace and drive your business forward with confidence at every step.

The next step in your Intuition journey

Ready to unlock the future of satellite networking?

Connect with a dedicated sales representative and discover how
Intuition can transform your vision into reality.

INTUITION

AT EVERY STEP

 **ST Engineering**

 **iDIRECT**

