



RC NO: 876369

**ATLANTIC**  
**FACTORIAL LIMITED**

## Corporate Profile



## WHO WE ARE

Atlantic Factorial, in association with its affiliates, is a space to cloud analytics company that utilizes proprietary satellite data and algorithms to provide the most advanced maritime, aviation, and weather tracking in the world.

We currently boast of the largest constellation of satellites, belonging to our partners with more than 100 ground stations worldwide. This gives us scalability, and access to data from over 240+ satellites in orbit. This gives businesses and government the reassurance and certainty they need to make smart, empowered and instant decisions. Our capability cuts across maritime, weather, aviation, imagery, agriculture and radio frequency analytics.

## VISION

To be the biggest repository of empirical data to governments, institutions, corporate bodies and individuals for informed decisions.

## MISSION

To continually amass and automate global data from constellation of satellites at high, medium and low resolutions; guarantying live and historical data as it concerns maritime, aerial and terrestrial activities, changes and effects.

## OUR SERVICES

S/N

SERVICE

UNIQUENESS

### 1. Vessel Tracking



- i. We track vessels whether the AIS is on or off.
- ii. We independently geo-locate vessels not depending on position transmissions from AIS.
- iii. We also provide historical records for resolution of incidents/pollution or litigation.
- iv. No dark spots globally, we cover even the remotest part of the seas.
- v. We monitor EPIRB on vessels for emergency response and management.
- vi. We monitor ship-to-ship transfers and fishing activities from coast to exclusive economic zone.

### 2. Pollution Monitoring



- i. We monitor oil pollution in real time
- ii. Waste dumping can be tracked back to identify the polluter vessel.

**3. Identification of Push-To-Talk Radio**



We help companies track precise location of their walkie-talkies

**4. Fleet Management**

Fuel optimization, ETA 24hours away, digital navigation, alert, ship routing, search and rescue.

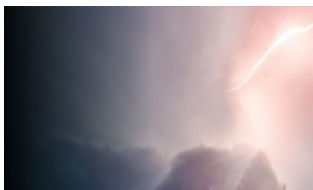
**5. Asset Security**



i. We Geo-fence terminals, rigs, facilities etc. to monitor ingress and egress of vessels.

ii. Monitor subsea asset areas through alert to navigators to avoid collisions or dropping of anchor on pipelines, cables etc.

**6. Weather Forecast**



Our weather services cover Basic Fields, Maritime Fields, Agricultural Fields, Clouds and Moisture fields, Thunderstorm Fields, Upper Air Fields, Aviation Fields and the Advanced Fields.

i. We offer forecasts up to 8 days in the future

ii. Our Global Navigation Satellite System Radio Occultation (GNSS-RO) capability provides high resolution vertical profiles from about 70km in the atmosphere to the earth surface to provide extremely accurate measurement of weather indices.

iii. We forecast any weather variable (wind, turbulence, ice crystals, sand, etc anywhere in the world.

**7. Imagery**



i. We provide high, medium and low-resolution imageries.

ii. Our sub-meter resolution is as good as 80cm.

iii. We can give a good measurement of oil quantity in tank farms from space.

iv. We produce images of your desired location with one-minute short video.

## 8. Radio frequency analytics



i. We monitor interference on signals and locate the source of interference.

ii. We do spectrum mapping- Assisting wireless network users make effective use of assigned spectrum.

## 9. AIRSAFE (Satellite-based Aircraft)



i. We track commercial planes across the world's skies, offering real-time overview of air traffic and of every plane's current location.

ii. We fulfill ICAO 4D/15 mandate.

iii. 2 million square km footprint.

iv. Up to 180,000 messages treated per hour per satellite.

v. Target latency of 15 minutes.

## 10. Pipeline monitoring



We use ground penetrating radar systems to identify pipelines and determine the right of way.

## 11. Cargo Tracking



i. We provide accurate pulse of worlds commodity markets.

ii. We provide insights into the off-share market.

iii. We give insights into cargo type, value destination and quantity.

## 12. Smart Farming (Agriculture)



i. We provide adequate monitoring of crop health from seedling to harvest.

ii. We alert on soil fertility, moisture, pest invasion etc.

iii. We forecast weather for enhanced farm management.

# OUR KEY CUSTOMER SEGMENTS

1



## Maritime & Logistics

- Shippers
- Brokers
- Ports
- Containers
- Maritime supply

2



## Finance & Trade

- Investment banks
- Investor networks
- Insurers
- Fintech
- Traders
- Cargo brokers

3



## Security & Surveillance

- Security companies
- Risk managers
- Regulators
- NGOs
- Illegal Fishing
- Trans-shipments

4



## Government

- Armies & navies
- Trade ministries
- Other government entities
- Search & rescue
- Coast guards

5



## Application Service Providers

- Online Positioning Services
- Functional ASPs
- Local geography ASPs
- Customs applications

6



## Agriculture

- Farmers
- Ministry of Agric.
- State & Federal Govt
- International partners

7



## Communication

- Telecommunication companies
- ISP's
- Regulatory Agencies

# OUR TECHNICAL AND JOINT VENTURE PARTNERS



## LOUMOS LLC

Engineering Consultant | EPC Contractors

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