



*We bring
IoT everywhere*



Kinéis: IoT everywhere



25

NANOSATELLITES
PROPULSION INTÉGRÉE



20

STATIONS SOL



3

PARTENAIRES
STRATÉGIQUES



ThalesAlenia
Space



2023

SYSTÈME OPERATIONNEL

Artisanal Fisheries

What is the use case?

- + **2M+** small fishing vessels around the world
- + **Control** of the fishing activity to protect the resource
- + Fishermen can **send alerts** and receive weather notifications
- + Get **analytics** on the uptime and downtime of your assets

What are the requirements?

- + **10m** accuracy (X/Y as Z is always 0)
- + **Global** coverage as fisheries are worldwide
- + **Continuous** availability
- + **Resilience** to overcome jamming/spoofing
- + No strong **Integrity** or **TTFF** requirement
- + **Low power** consumption with 1 week autonomy for PVT every hour (3AH)



Asset Tracking

What is the use case?

- + **23M+ containers** around the world + millions of special packages
- + **Tracking** of the shipments over the whole logistics chain
- + **Better quality of service** for the shippers
- + **Better control** on the logistics chain

What are the requirements?

- + **10m accuracy (X/Y/Z)** to locate individual packages
- + **Global** coverage as transportation is global
- + **Continuous** availability
- + **Resilience** to provide position in difficult conditions (stacking, warehouses, etc...)
- + No strong **Integrity** or **TTFF** requirement
- + **Ultra low power** consumption with years of autonomy for PVT 1-4 times a day (10AH)



Livestock Monitoring

What is the use case?

- + **1B+** cattle worldwide
- + **Monitoring** the animals wandering around
- + Farmers need to **improve productivity** and **automate**
- + Get **position** and **health data** of the animals

What are the requirements?

- + **100m** accuracy (X/Y/Z)
- + **Global** coverage as extensive farming is global
- + **Continuous** availability
- + Good **resilience** requirement to work in difficult conditions (ear tags, forest cover...)
- + No strong **integrity** or **TTFF** requirement
- + **Ultra low power** consumption with 1 year autonomy and very small size for PVT once a day (energy harvesting ideal)





Thank you!

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