MountAIn's AI Infrastructure:
A new blueprint for the Edge

AI for Good

mountAIn

Tethered to power and connectivity,
Cloud AI fails at the final frontier: the ground.

- $2.4 Trillion projected AI market by 2030 – 99% cloud-focused

- 40 billion IoT devices by 2030 generating 79 zettabytes

- **Value Gap:** <1% of remote IoT data gets AI processing

- **Technical Barriers: No viable edge AI for truly remote deployment**

    - Cloud-dependent
    - High-latency
    - Bandwidth- and Power- Hungry

$280B in annual losses : how to enable resilient growth?

Industry Bleeding Value:

- **Oil & Gas:** $45B pipeline failures (78% in remote locations)
- **Critical Infrastructures:** $150B failures (predictable but unmonitored)
- **Wildfire:** $80B damage (90% preventable with 2-minute early warning)
- **Agriculture:** $40B crop losses (pesticide overuse + late pest detection)

Current solutions:

- Few Millions $ systems requiring grid power + high bandwidth

Market need:

- Few 100k$ systems that works anywhere, anytime

Our value proposition

To deliver scalable solutions that mitigate billions of dollars in economic damages while improving the well-being of millions.

Our IBEX Digital Watchman
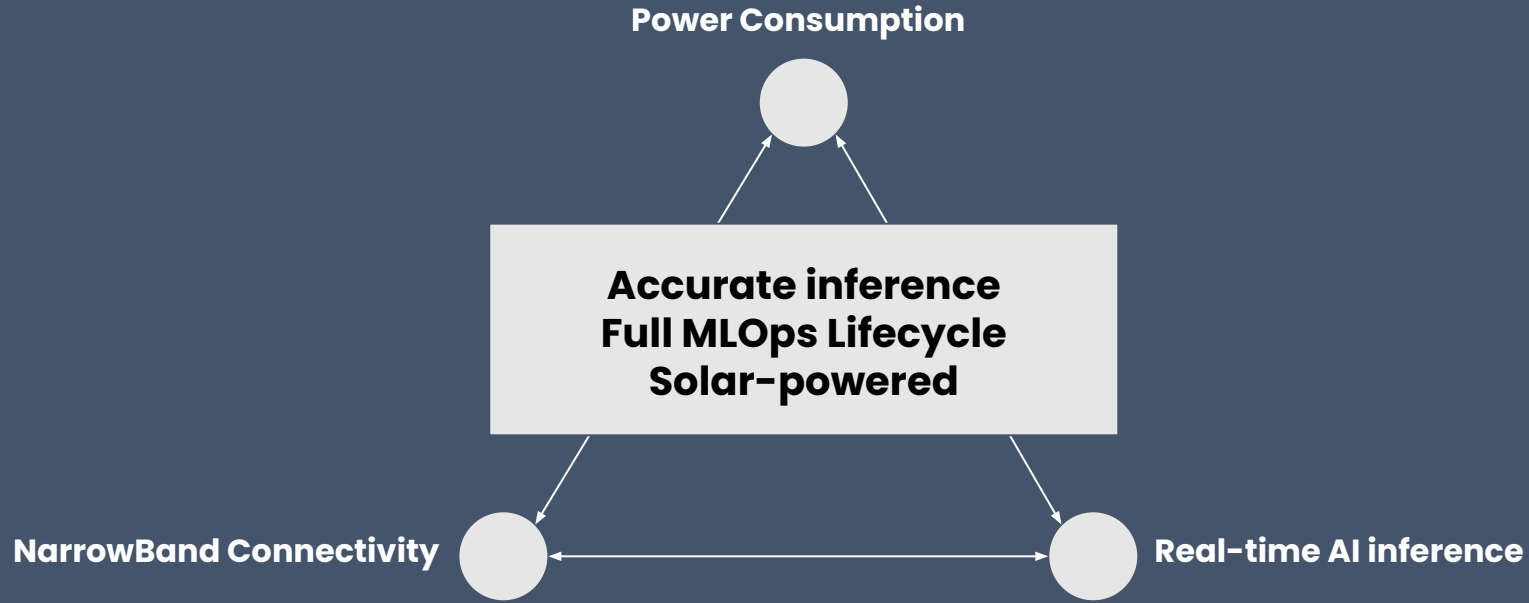
1000x

less power consumption

Our IBEX Digital Watchman

ZERO

Compromise on model precision.
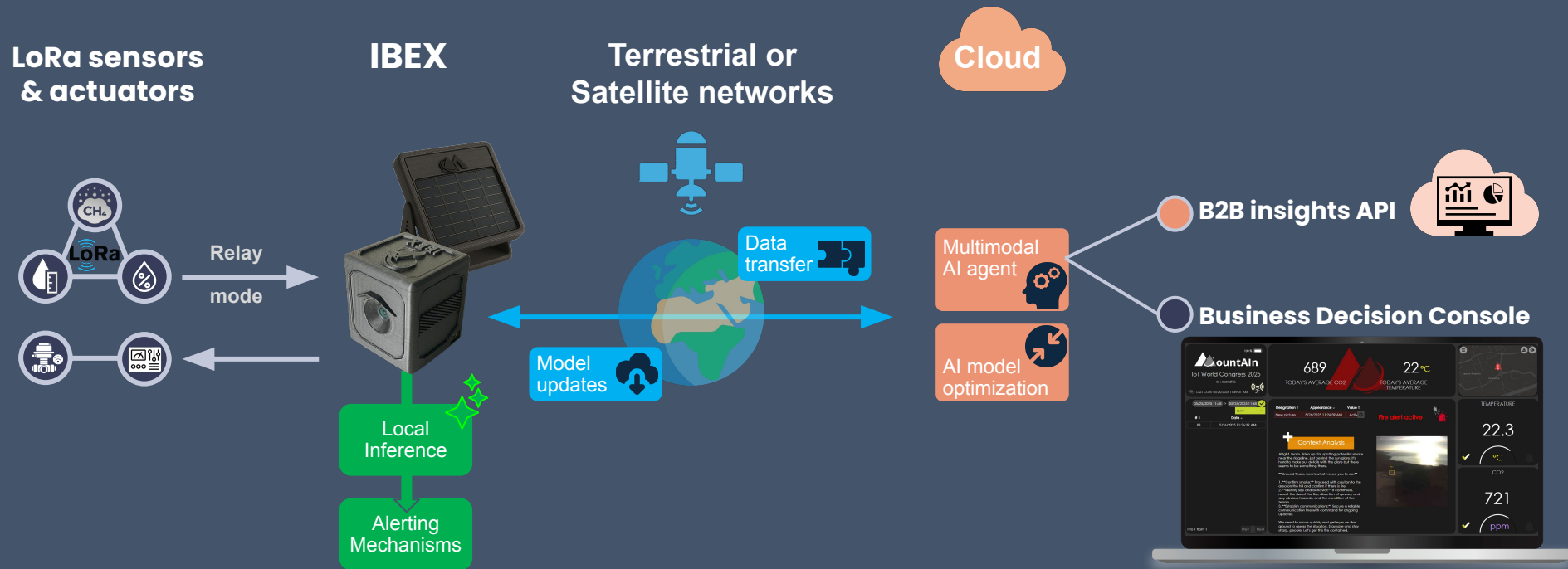
Solving the remote AI trilemma

Power Consumption

Accurate inference
Full MLOps Lifecycle
Solar-powered

NarrowBand Connectivity

Real-time AI inference

MountAIn : a new blueprint for the Edge

We are a key contributor to the CEA Deep Green platform

IBEX

AI-over-Space infrastructure

UNDERSTAND AND PROTECT YOUR ASSETS EVERYWHERE ON EARTH

LoRa sensors & actuators

IBEX

Terrestrial or Satellite networks

Cloud

Relay mode

Data transfer

Model updates

Local Inference

Alerting Mechanisms

Multimodal AI agent

AI model optimization

● **B2B insights API**

● **Business Decision Console**

Awarded by Industry leaders. Barcelona, May 2025

AI FOR GOOD

24/7 AI Digital Watchman helping volunteers since July 2024

Problem Statement:
- **Customer:** Regional Fire Authority
- **Challenge:** Volunteers monitor only weekends/fire season
- 15-30 min response time
- $15M average fire damage

IBEX deployment:
- 7 IBEX digital watchmen deployed to look after uncovered, high-risk areas

Quantified Results:
- **Response time:** 15x faster detection and automated alert
- **Coverage:** 8760 hrs/year vs 500 hrs volunteer monitoring
- **Damage avoided:** $45M potential damage prevented
- **ROI:** >1000% with return in first year

Olive Fly detection:
can we enable precision agriculture across the mediterranean sea?

Problem Statement:
- **Customer:** 2000-hectare olive producers, Mediterranean
- **Challenge:** Olive Fly infestations destroy 10-30% yield,
- 15 days response time (interval between two inspections)
- $4,000 revenue loss per hectare plus additional costs

IBEX deployment:
- 1 IBEX digital watchman deployed per hectare to automate monitoring every hour

Quantified Results:
- **Response time:** 360x faster detection and automated monitoring
- **Coverage:** 8760 hrs/year vs 24 manual visit on site per year
- **Revenue generated:** $8M additional revenue
- **Organic Certification:** Minimum chemical usage
- **ROI:** >500% with return in first year

pre-order your pilot now. scale in 2026

Precision Agriculture
Critical infrastructures
Smart Cities
Sustainable tourism
Wildfire detection

we are raising funds to accelerate

be a pioneer of this new AI frontier.

Thank you

david@mountainedge.ai

www.mountainedge.ai