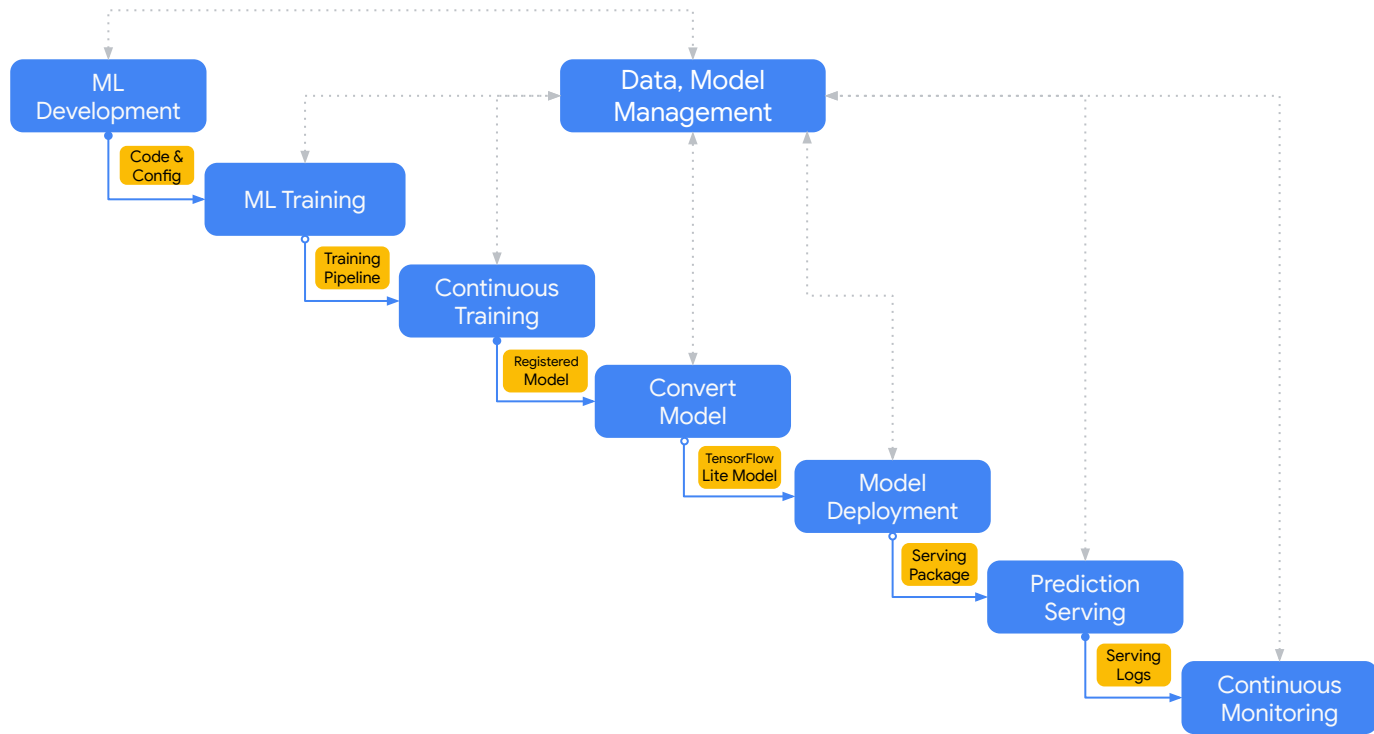
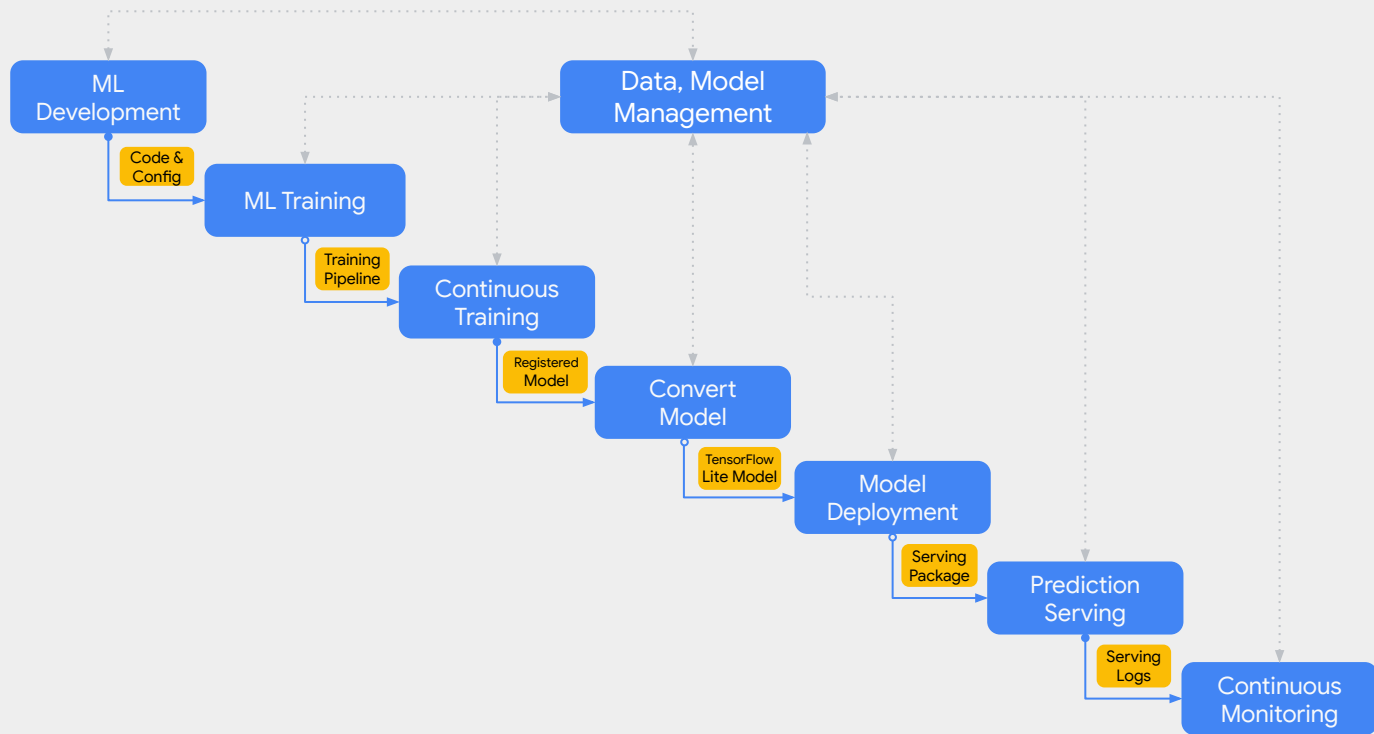


What's Next

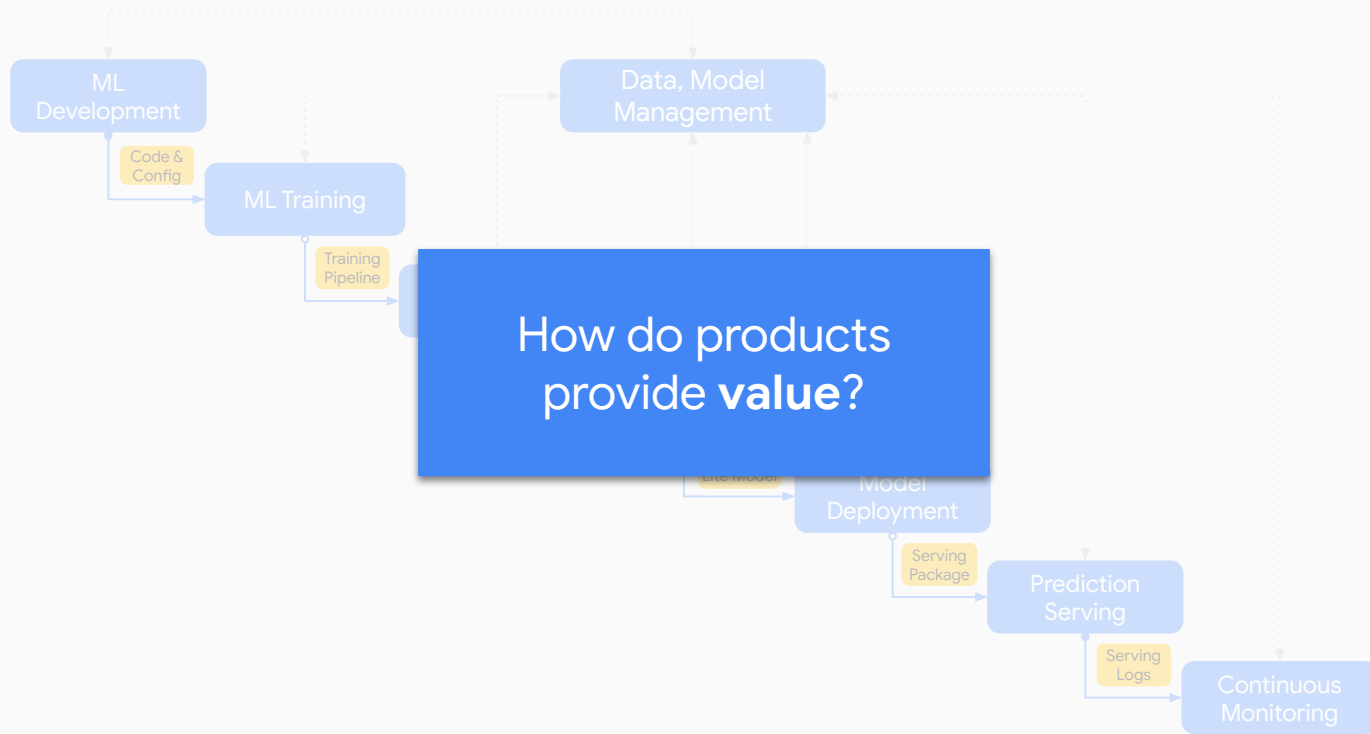




New Product

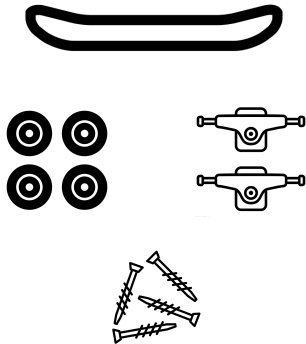


New Product

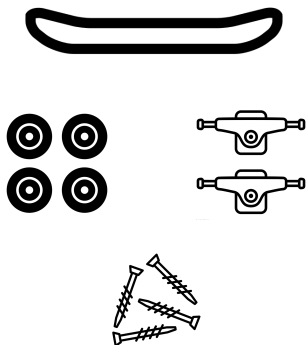


“Jobs To Be Done”

Even though customers buy this.



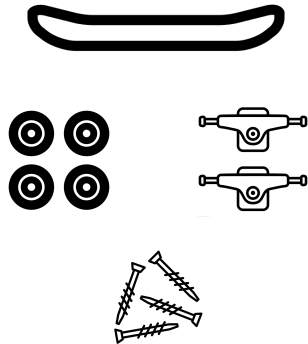
Even though customers buy this.



They really want *this*.



Even though customers buy this.



They really want *this*.



“People don't simply *buy* products or services, they ‘**hire**’ them to make **progress** in specific circumstances.”



Case Study

TinyML
Applicability

Industry 4.0

Healthcare

Consumer
Electronics

Transportation
& Logistics

Wearables

Environmental
Monitoring

Satellites

Smart Cities

Energy & Utility
Monitoring



Industry 4.0

Healthcare

Consumer
Electronics

Transportation
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Industry 4.0

Healthcare

Consumer
Electronics

Transportation
& Logistics

Wearables

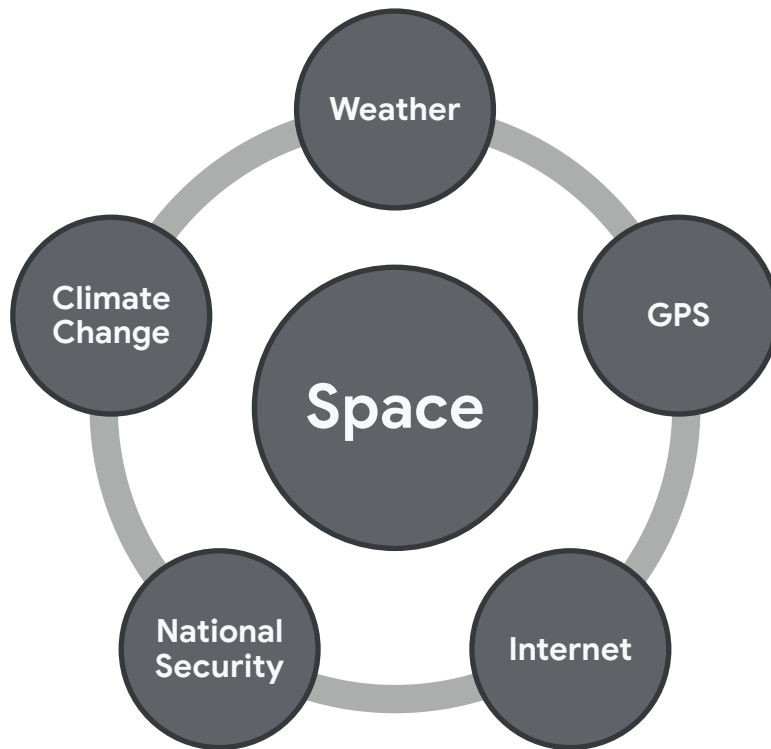
Environmental
Monitoring

Satellites

Smart Cities

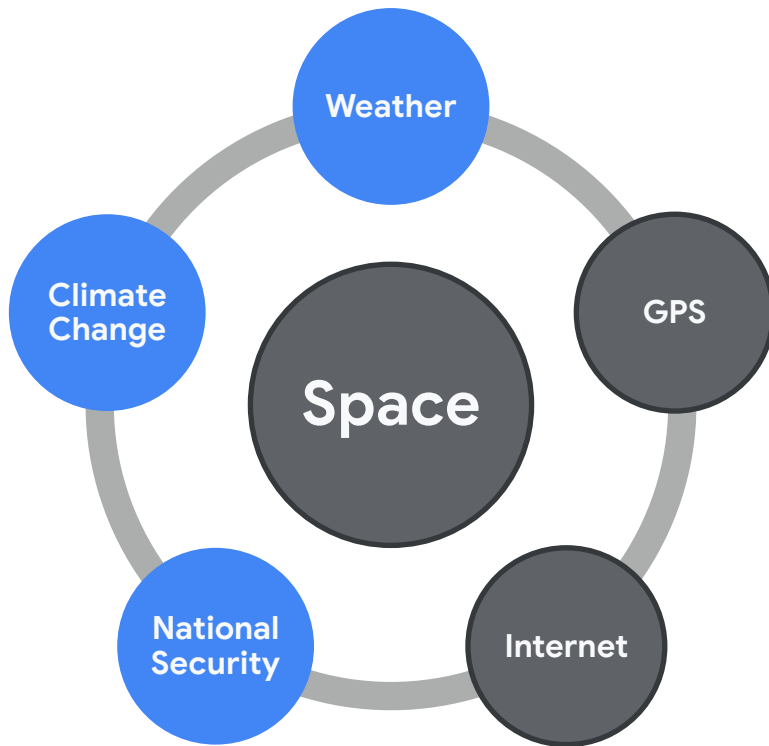
Energy & Utility
Monitoring

Space + TinyML Market Opportunity



Space systems inform critical decisions on Earth

Space + TinyML Market Opportunity



Some** space systems inform critical decisions on Earth **via imagery

Space + TinyML Market Opportunity

Geospatial Imaging Satellites...

There are 1,500 hundred in orbit now...

But there are expected to be 50,000 by 2028



Space + TinyML Market Opportunity

Geospatial Imaging Satellites...

There are 1,500 hundred in orbit now...

But there are expected to be 50,000 by 2028

And there are **hundreds of industries** learning how to utilize satellite imagery



Space + TinyML Market Opportunity

Geospatial Imaging Satellites...

- low-**power**
- low-**compute**
- **latency** concerns
- **privacy** concerns



Space + TinyML Market Opportunity

Geospatial Imaging Satellites...

- What progress (“**job**”) are they trying to make?



Space + TinyML Market Opportunity

Geospatial Imaging Satellites...

- What progress (“**job**”) are they trying to make?
- Could they “**hire**” my product to solve it?



Space + TinyML Market Opportunity

Geospatial Imaging Satellites...

- What progress (“**job**”) are they trying to make?
- Could they “**hire**” my product to solve it?
- How can they increase revenue?



Example Market Opportunity

Geospatial Imaging Satellites...



Customer request:
provide image in under 1 hour

Example Market Opportunity

Geospatial Imaging Satellites...

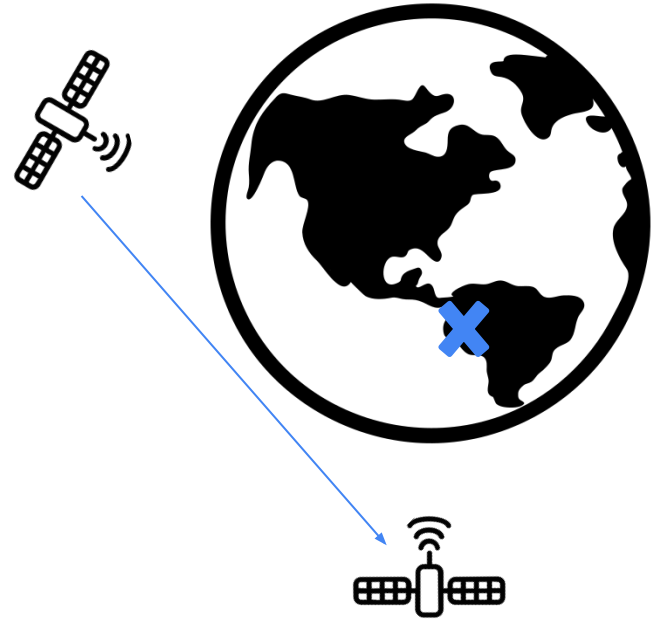


Customer request:
provide image in under 1 hour

Example Market Opportunity

Geospatial Imaging Satellites...

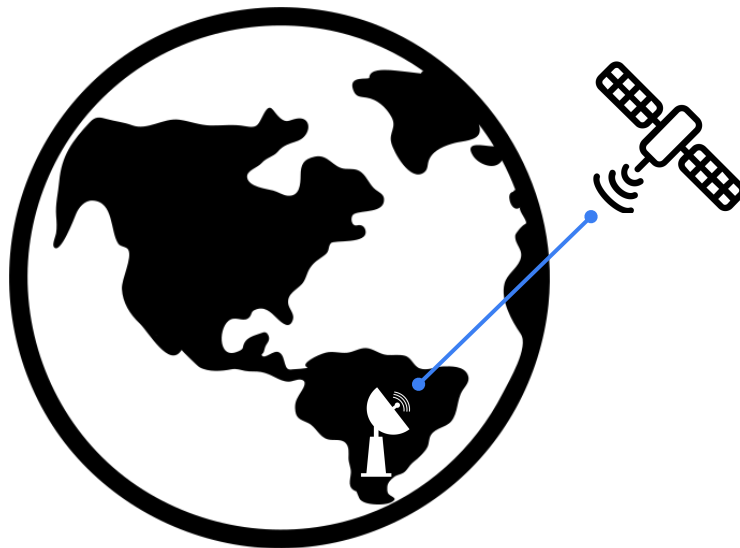
- SpaceCo tasks one of their satellites to take image ASAP



Example Market Opportunity

Geospatial Imaging Satellites...

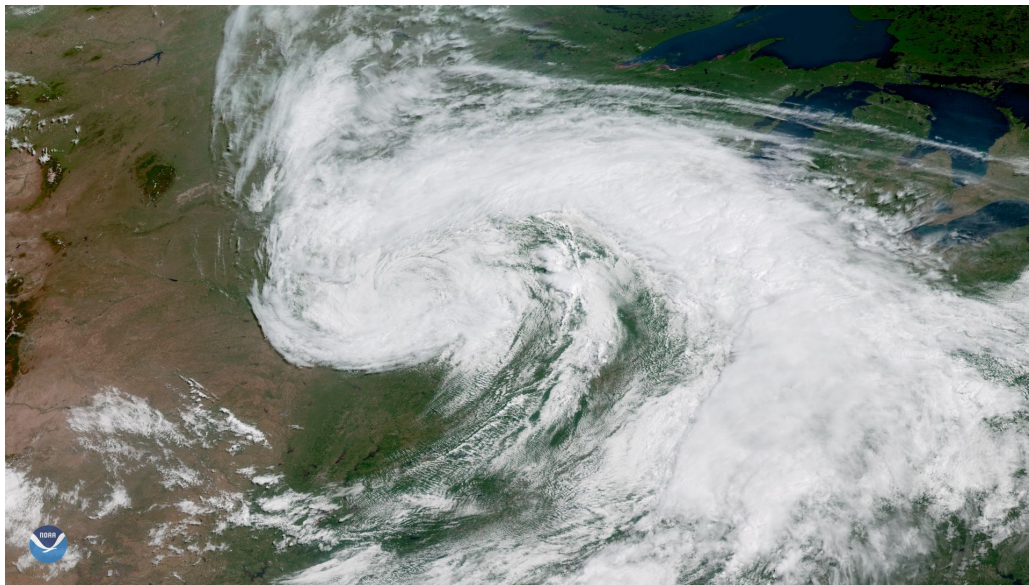
- SpaceCo tasks one of their satellites to take image ASAP
- SpaceCo's satellite sends image back at next AWS satellite ground station



Space + TinyML Market Opportunity

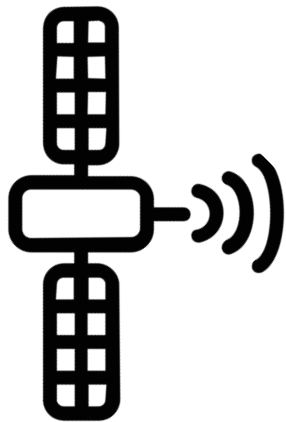


Space + TinyML Market Opportunity

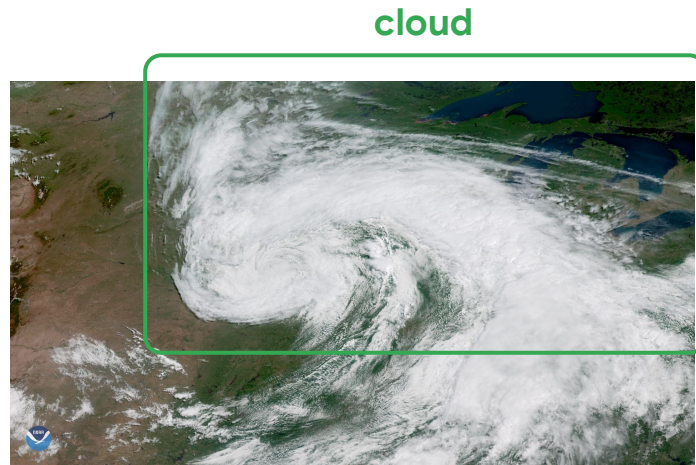


70% of
geospatial
imagery
returns
with cloud
coverage

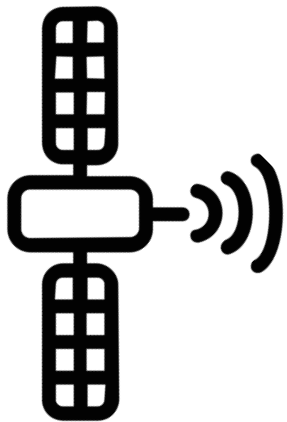
Space + TinyML Market Opportunity



wait.



Space + TinyML Market Opportunity



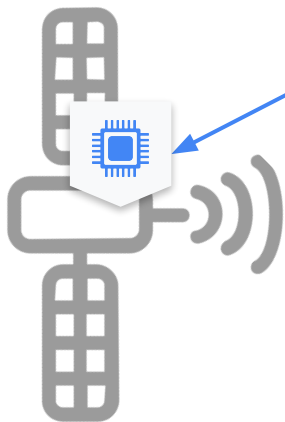
wait.

no cloud

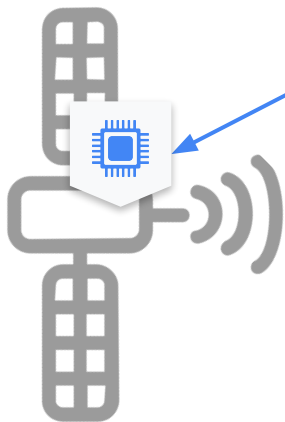


Space + TinyML Market Opportunity

License them a **visual keyword**
(no)cloud recognition model and they can
deploy however they want?



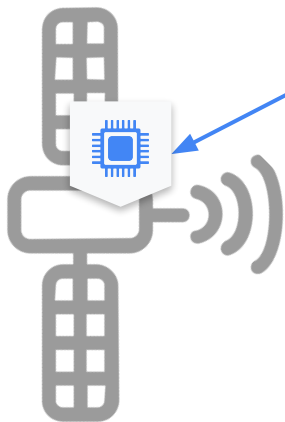
Space + TinyML Market Opportunity



License them a **visual keyword**
(no)cloud recognition model and they can
deploy however they want?

“Value Created” (e.g., \$X of images are more useful!)	Customer Value (why they buy your product)	
	Price (what you can charge)	Profit
		Cost (difficulty to fulfill job)

Space + TinyML Market Opportunity



License them a **visual keyword**
(no)cloud recognition model and they can
deploy however they want?

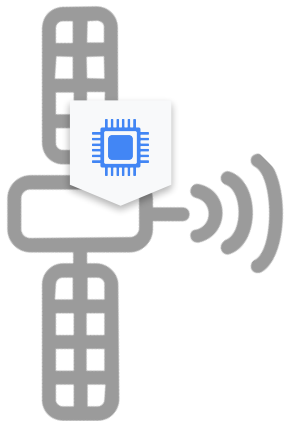
SpaceCo's response: **"SO, WE NEED THIS..."**

*"**but** we can't afford ML PhDs to maintain this if
we need to change something?"*

*"**but** it would be cool to know if there are white
vans in the image too..."*

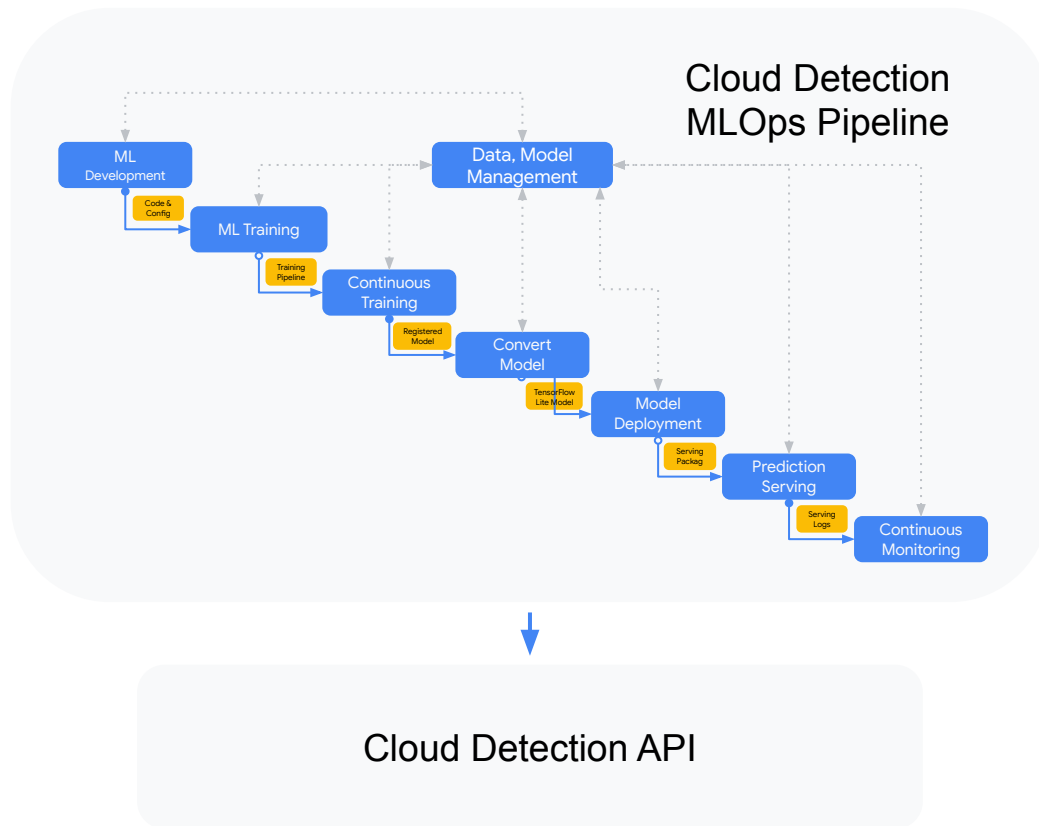
*"**but** what if radiation degrades our camera over
time?"*

Space + TinyML Market Opportunity

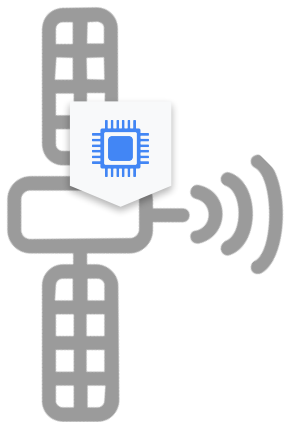


Ah! there's a **full stack problem** here.

Space + TinyML Market Opportunity



Space + TinyML Market Opportunity

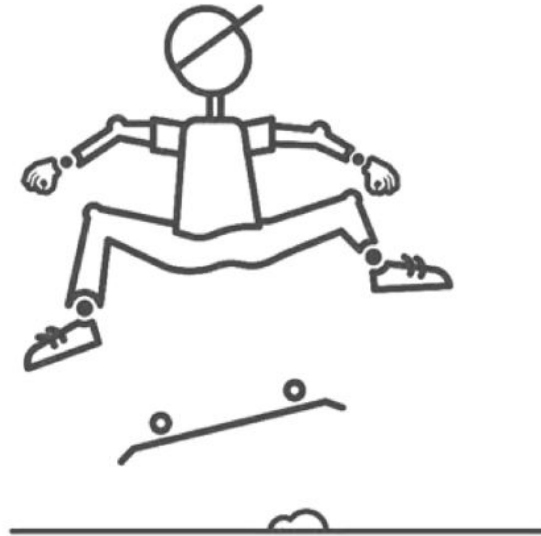


NoBadImages Inc (*NBI, Inc*)

Mission:

Building and deploying TinyML models and workflow management solutions to democratize satellite imagery and bring about world peace.

Successful Product!



Space + TinyML Market Opportunity



ML
Engineer



ML
Researcher



Data
Scientist



Data
Engineer



Software
Engineer



DevOps



Business
Analyst

Space + TinyML Market Opportunity



ML
Engineer



ML
Researcher



Data
Scientist



Data
Engineer



Software
Engineer



DevOps



Business
Analyst



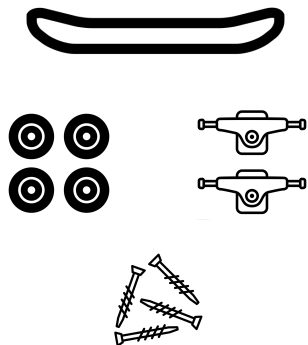
Accountant



Lawyer

Summary: Focus on “Jobs To Be Done”

Even though customers buy this.



They really want *this*.

