



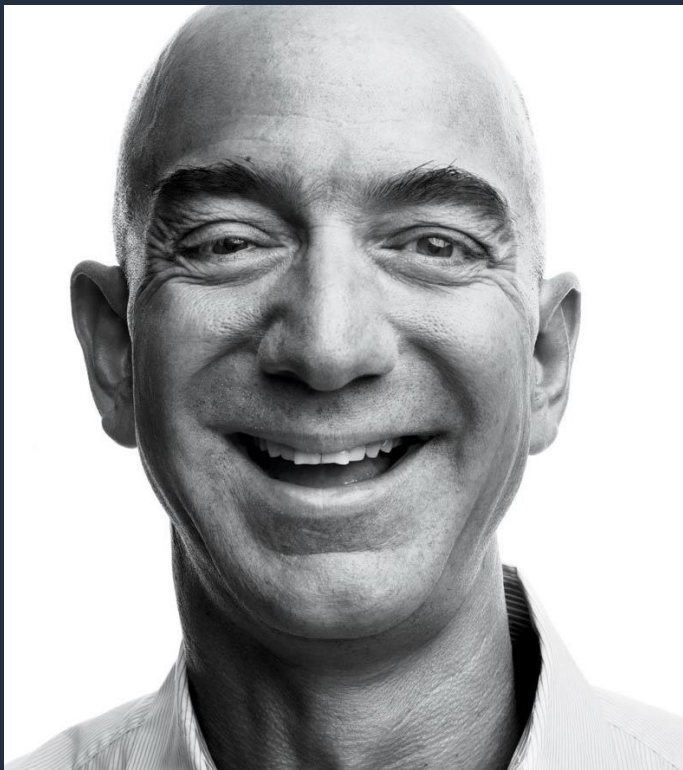
AWS

Democratising Space

Phil Cooper,
Account Manager AWS Ground Station EMEA



Our culture of innovation

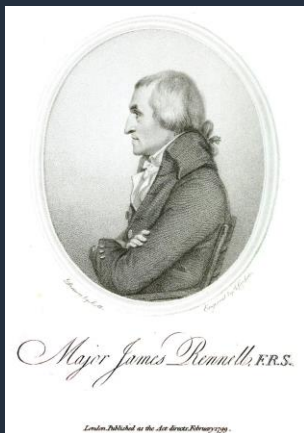
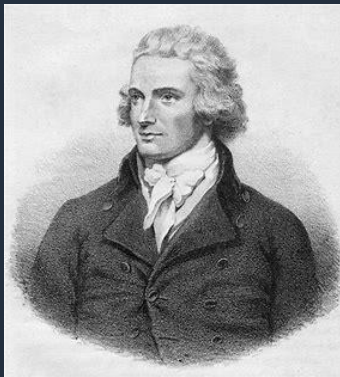


“ Our mission:

we want to be earth's **most
customer centric** company.”

Jeff Bezos
Founder and CEO
Amazon.com, Inc.

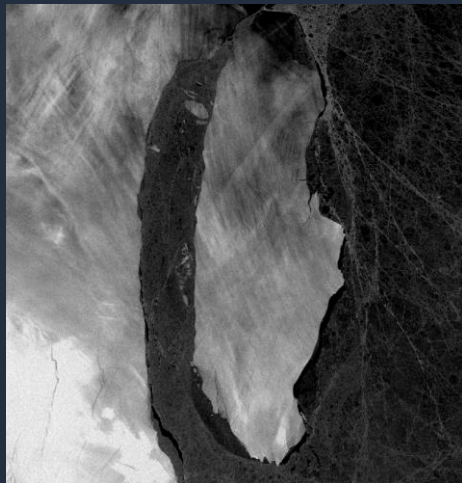
The authority of data



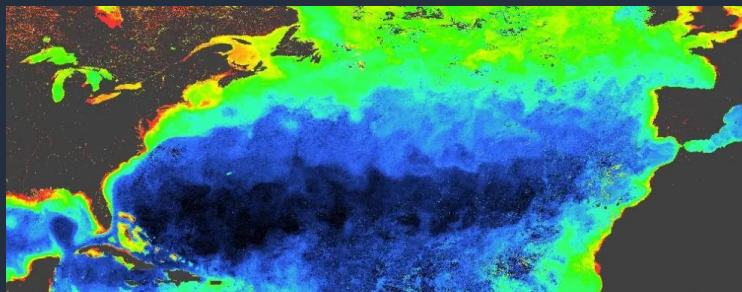
On AWS Earth Data Today



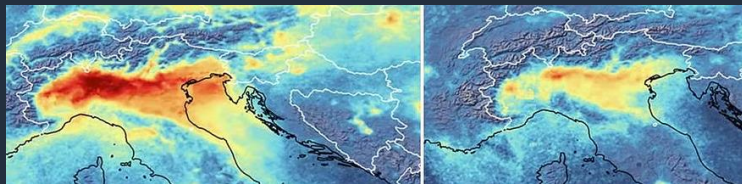
Sentinel 2



Sentinel 1



Sentinel 3

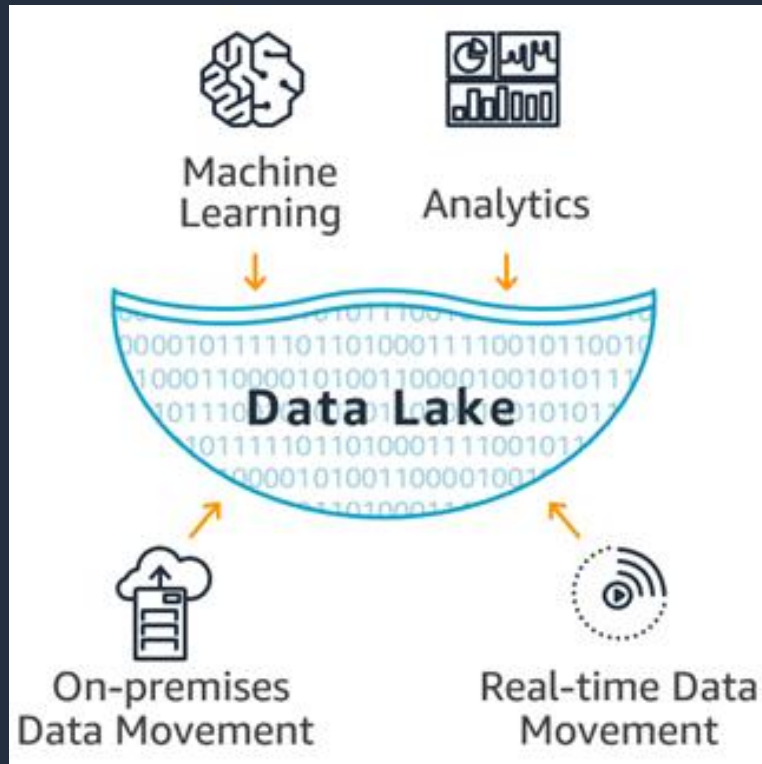


Sentinel 5P

<https://aws.amazon.com/earth/>

Aggregation of data

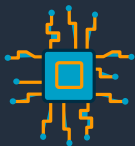
- Unmatched durability
- Best security, compliance and audit
- Object level controls for fine grain access
- Fastest performance by retrieving subsets of data
- 2X as many integrations with partners
- Analyse with the broadest set of analytics & ML services



Services used by Space customers

```
10101011010
10111010110
10101010101
00101010101
00101001010
10111010101
10011001011
00100101101
```

Storage



Compute



Analysis



Content Distribution



Space Exploration

Missions to Mars are the
next step for agencies

Data communication

Data Processing



Space Launch

Lower barriers to entry

Multiple countries now delivering payloads into orbit

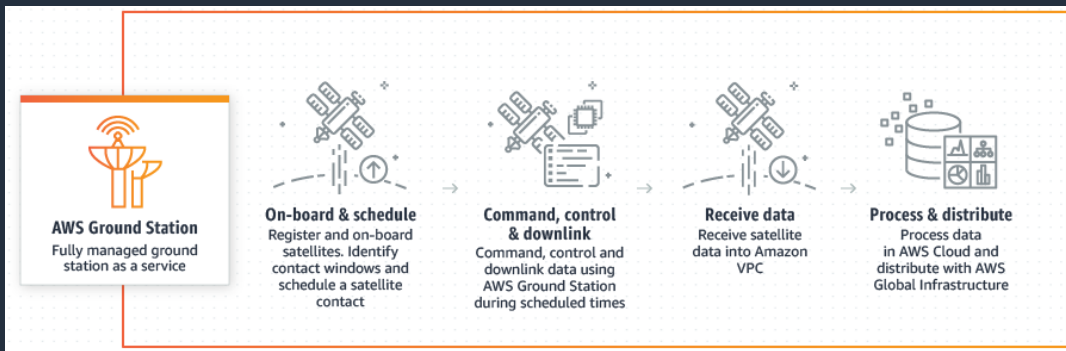
Space is an operational reality.



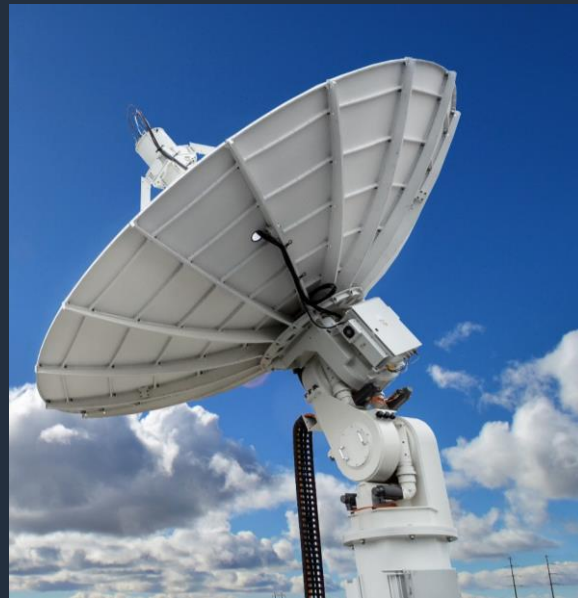
Courtesy of Arianespace

53 satellites on VV16

Satellite Solutions



www.aws.amazon.com/ground-station/



What is Ground Station

Fully managed service provides ability to **schedule passes**, commands and acquisitions at a click of a mouse on an intuitive interface

Graphical console

allows you to reserve contacts and antenna time for your satellite communications and **review, cancel, and reschedule** contact reservations up to 15 minutes prior to scheduled antenna times

Support most common satellites

can connect with any satellite in low Earth orbit (**LEO**) and medium Earth orbit (**MEO**)

Direct access to AWS resources

with co-located ground station and AWS data centers providing access to AWS Cloud **services and security**

Pay-as-you-go pricing

scale satellite communications **on demand** when your business needs it

Single price

allows to use any antenna in the **global** AWS Ground Station network



Global Aerospace



Astronaut Andrew Morgan does a zero-gravity flip on the International Space Station with a push from his two NASA crewmates, Christina Koch and Jessica Meir. (NASA via YouTube)



AvioAero

A convergence of Cloud and Space



Cloud Computing?

“The on-demand delivery of IT resources over public or private networks with zero up-front costs, no long-term contracts, and pay-as-you-go pricing”

Thank you!

pdcooper@amazon.com