



# Introduction to Kleos

## for U.S. Public Market Investors

MARCH 2021

Broadening awareness in advance of key 2021 inflection points.

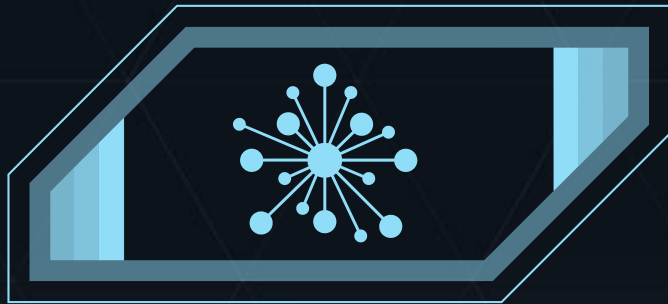


# Locating Activity & Delivering Insight

Kleos is an Earth Observation data-as-a-service company, collecting radio signals with its own satellites and then processing them using its proprietary algorithms to create data products. The data products can then be sold on a subscription basis and delivered by API to government and commercial Analytics & Intelligence entities around the globe, empowering decision makers.



“Everything and everybody has to be somewhere.”\*



## COLLECT

Kleos Satellites observe the Earth, recording the radio spectrum

COLLECT ONCE



## PROCESS

On the ground, the Kleos algorithms find and locate activity in the ‘noise’

PROCESS ONCE



## DELIVER

Activity data products are delivered via simple API

SELL MANY TIMES





# Approaching multiple inflection points

Early adopter revenue commencing on completion of system commissioning from our first cluster of four satellites already in Space.

Growth phase with second and third clusters scheduled for mid & end 2021 launches on SpaceX's Falcon 9.

Large 160+ Opportunity Pipeline. Addressable Geospatial Market:

## \$ 549 billion\*

Publicly listed since 2018, with strong balance sheet

## ASX: KSS





# Timeline

MID 2017

Spun out of  
Magna Parva  
a space engineering  
company

AUG 2018

IPO

MID 2021

Launch of 2<sup>nd</sup>  
cluster of 4x  
satellites

END 2021

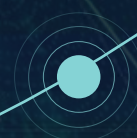
Launch of 3<sup>rd</sup>  
cluster of 4x  
satellites

SPRING 2021

Initial Data Products  
Released

NOV 2020

Launch of 1<sup>st</sup> cluster  
of 4x satellites





# Technology Leader

Kleos is deploying a dynamic satellite constellation, distributed sensing and intelligence gathering capability.

Rapidly deployed technologies reduce risk and respond to changing customer needs.

Designed for profitable operations to be fulfilled by small, low cost satellites leveraging 5+ years of R&D & proprietary technologies.

Subscription revenues will grow in volume and variety, including custom missions.

## What is Radio Frequency (RF) Reconnaissance, Spectrum Mapping & Geolocation?

Radio spectrum is the range of energy frequencies that are used to communicate information. It is a limited resource, highly valued and worth trillions of \$.

Applications include radio and television broadcasting, civil aviation, maritime, satellites, defense and emergency services.

RF Spectrum Mapping can provide radio frequency (RF) situational awareness for regulatory and defense applications, making spectrum management more efficient by giving operators the tools to see real and potential frequency interference and usage. Kleos' 'sensors in Space' can deliver a highly cost effective map of the RF spectrum for use by commercial, regulatory and security markets.

Establishing the location of RF transmitters is difficult, particularly in marine and other remote settings. Illicit actors frequently disable location transponders to mask location and movements.

RF geospatial intelligence (GEOINT) is made possible by Kleos' satellites that measure the 'time-difference' of signals received, allowing for precise locations of communication transmitters anywhere the satellites fly.

Mapping and locating RF transmitters gives detailed insight into human activity for a wide arrange of applications and markets.

# Space Industry Capital Markets

TARGET DATE ENTERPRISE VALUE		
ROCKET LAB	MARCH 2021	\$4.1 BILLION
SPIRE	MARCH 2021	\$1.2 BILLION
BLACK SKY	FEBRUARY 2021	\$1.1 BILLION
SPACEX	FEBRUARY 2021	\$74 BILLION
ASTRA	FEBRUARY 2021	\$2.1 BILLION
MOMENTUS	OCTOBER 2020	\$1.2 BILLION
VIRGIN GALACTIC	OCTOBER 2019	\$1.5 BILLION

“The revenue generated by the global space industry may increase to more than \$1 trillion by 2040.”

Morgan Stanley Insights



# Headlines

SN NEWS OPINION WEBINARS LAUNCH CIVIL COMMERCIAL M

Spire Global joins rush to public markets with \$1.6 billion SPAC deal

by Jason Rainbow — March 1, 2021

THE VERGE

SCIENCE TECH SPACE

SpaceX reportedly raised the best part of a billion dollars to fund future missions

Cash for Starship, Starlink and more

By Mitchell Clark | Feb 16, 2021, 9:11pm EST



DISRUPTIVE TECHNOLOGY CHANNEL

ARK Investment Plans To Augment Offerings with a Space ETF

IAN YOUNG JANUARY 21, 2021

Via Satellite

BlackSky Looks to Go Public in SPAC Merger

by Rachel Jewett | February 05, 2021



SPACENEWS

Momentum to go public with Stable Road Acquisition Corp.

by Debra Werner — October 7, 2020

Bloomberg

Hyperdrive

Rocket Maker Astra to Go Public Through Merger With a SPAC

It's combining with Holicity, a blank-check company founded by telecom billionaire Craig McCaw.

CNBC

INVESTING IN SPACE

Satellite-to-smartphone broadband company AST & Science to go public through a SPAC

THE WALL STREET JOURNAL

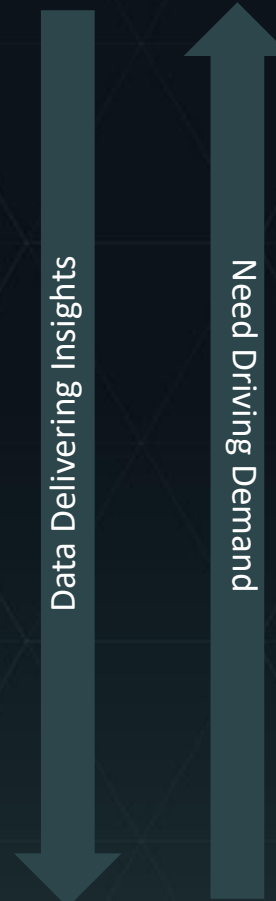
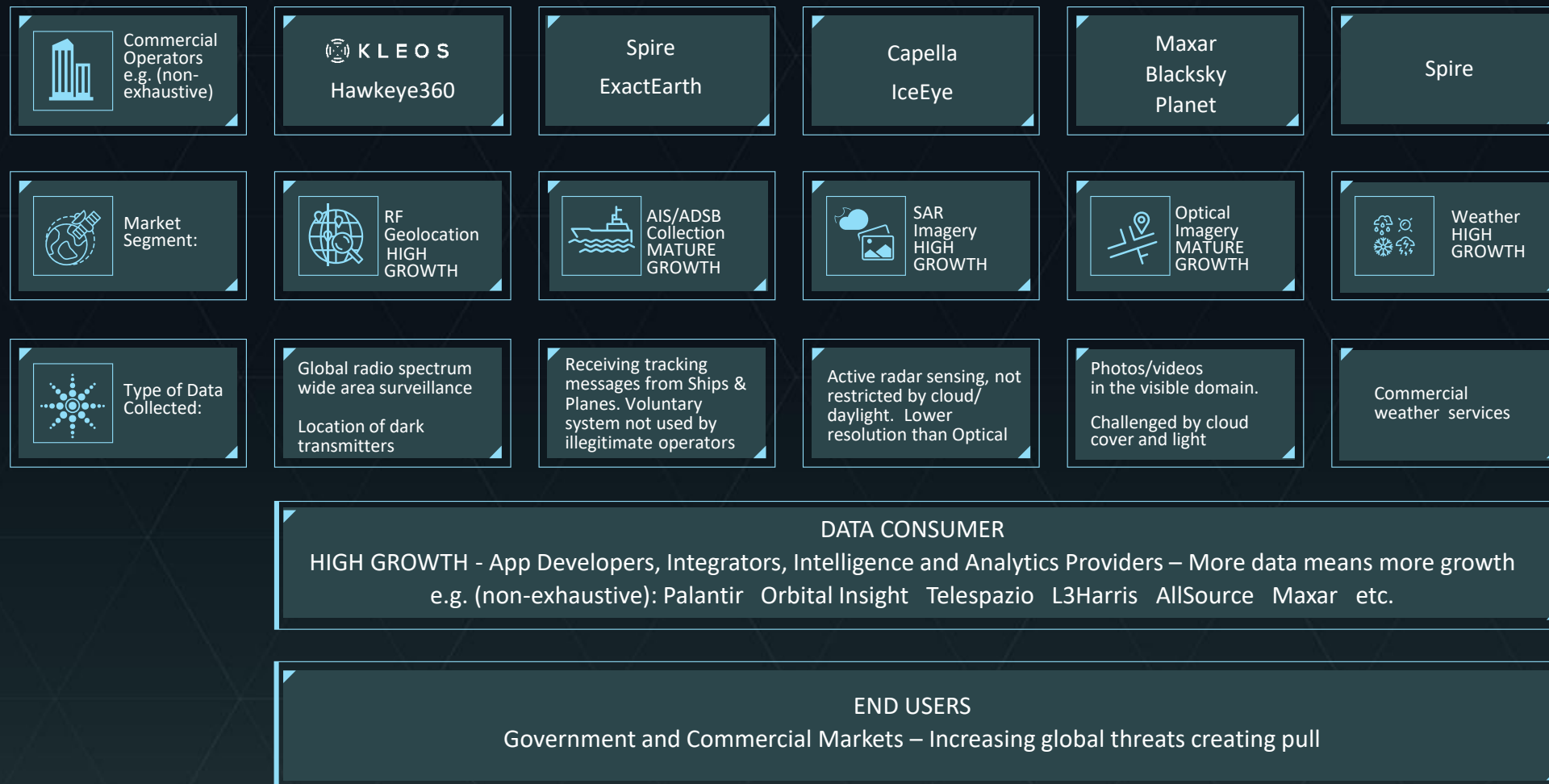
WSJ NEWS EXCLUSIVE BUSINESS

Richard Branson's Space Unit to Go Public

Virgin Galactic would be first listed company with plans to put tourists into space



# Where Kleos Fits In



# Targeting a Geospatial Solutions Market of \$549 Billion by tackling Global Economic, Societal and Security Challenges

Selling actionable data vital to:

- Defense and Security Market
- Maritime Intelligence Market
- Insurance Market
- Regulatory Market
- Environmental Protection Market



Deployed by Coast Guards, Navies & Maritime Security operators to identify, monitor coastlines and ultimately to intercept illicit traffic.

Leveraged by insurers, regulators and governments to prosecute ships owners for carrying out illegal activities e.g. illicitly fishing, oil spills, piracy.



Demand for our maritime data sets is driven by high financial, societal and environmental costs of illegal activity

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Improved technology analytics could make U.S. sanctions against Iran more effective than previous bans

## Illegal fishing worth \$600m in the Pacific amounts to 'daylight robbery'

[Just In](#) [Coronavirus](#) [Watch Live](#) [Politics](#) [World](#) [Business](#) [Analysis](#) [Sport](#) [Science](#) [Health](#) [Arts](#)

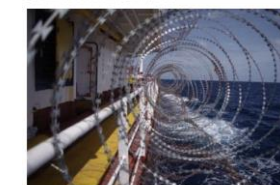
## China's 'dark' fishing fleets are plundering the world's oceans

Watch TV

## Pirates board Norwegian vessel, abduct nine crew members off West Africa

## Analyzing Attacks at Sea: It's Not All Piracy

By Dirk Siebels, January 28, 2021



Pirate attacks against merchant ships off the African coast have been reported regularly over the past decade. And despite measures to suppress it, Somalia-based piracy remains a concern. On the other side of the continent, the Gulf of Guinea is now viewed as presenting a much more serious piracy problem.

Last year a record 130 crew members were kidnapped in 22 separate incidents, according to the International Maritime Bureau. The cluster of attacks in November and December has once again led to alarming headlines about the Gulf of Guinea being the world's piracy hotspot.

## One Killed, 15 Abducted in Gulf of Guinea Pirate Attack



# Execution



Leading the Board;  
Chair & Govt Liaison

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**AIR CDRE PETER  
ROUND**  
(ex UK RAF, European  
Defence Agency)



Leading the company,  
execs and strategy

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**ANDY BOWYER**  
CEO & co-founder



Leading  
the technology

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**MILES ASHCROFT**  
CTO & co-founder



Leading the Global  
Revenues

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**ERIC VON  
ECKARTSBERG**  
CRO (ex Maxar, Vricon)



Leading US Govt  
Relations

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**KARYN  
HAYES-RYAN**  
US DIRECTOR  
(ex NGA, NRO)



Leading Global  
Operations

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**HERIBERT KRAEMER**  
COO  
(ex RBC)



Leading Global  
Finances

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**IAIN HACKSTON**  
CFO  
(ex SES, O3B)





# US Opportunity



The US is the largest market in the world for GEOINT & reconnaissance data.

Kleos Denver CO (Engineering).

Kleos Washington DC (Sales).

Kleos is committed to supporting the disruption of illegal activities that impact the nation's security, economy & the environment, and to improve knowledge for the military, security and regulatory user.

In addition to Commercial clients, Kleos is actively pursuing over 30 US Government customers.

# Public Information



Launch of 1<sup>st</sup> cluster of 4x  
satellites in November 2020



TICKER	ASX:KSS
DATE	11 <sup>th</sup> March 2021
CLOSING PRICE	A\$0.615
CDIS	160,203,436
MARKET CAP	A\$98,525,113
OPTIONS AND WARRANTS	14,739,506
FULLY DILUTED MARKET CAP	A\$107,589,909
BORROWINGS	A\$225,000
NET CASH	A\$9M



# For More Information



## TICKERS

ASX: KSS (CHESS Depository Interest)  
Frankfurt: KS1 (CHESS Depository Interest)  
OTCMKTS: (KESPF) (CHESS Depository Interest)



## WEBSITE

<https://kleos.space/>



## COMPANY CONTACT

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## US INTRODUCTION CONTACT

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