

## ASX RELEASE

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### **Kleos' Patrol Mission Satellites Ready and Shipped to Launch Site 3<sup>rd</sup> Mission Launch on track for January 2022**

- Kleos' third satellite cluster of four satellites have passed all pre-shipment tests
- Builder, Innovative Solutions In Space, given all-clear for transport to Cape Canaveral to launch on the Transporter-3 SpaceX mission in January 2022
- The Patrol Mission (KSF2) satellites feature enhanced hardware and software, significantly increasing data collection capability by an additional 119 million km<sup>2</sup> per day and improving revisit rates
- Kleos' satellites detect and geolocate radio frequency activity to within 300m, improving detection of illegal activity such as piracy, drug smuggling and border security challenges

Kleos Space S.A (ASX:KSS, Frankfurt:KS1, Kleos or Company), a space-powered Radio Frequency Reconnaissance data-as-a-service (DaaS) company, confirms its Patrol Mission (KSF2) satellites are on track to launch onboard the Transporter-3 SpaceX mission in January 2022, successfully passing the final technical milestone with satellite builder Innovative Solutions In Space (ISISPACE).

The Patrol Mission satellites are travelling from the Netherlands to the launch integration facility at Cape Canaveral, Florida, USA, where they are being armed for flight, inserted into their dispensers, and integrated into the launch vehicle by Spaceflight Inc. Prior to transport, the satellites successfully completed System Assembly Integration Testing (SAIT) with ISISPACE over a six-week period, including a system checkout and mechanical inspection, battery charging and fuelling.

The transport of the Patrol Mission satellites confirms the satellites are mission ready. The launch will increase Kleos' reconnaissance capability to three clusters of four satellites each, making a total of twelve satellites patrolling against illegal activity such as piracy, drug smuggling and border security challenges.

Launching into a 500-600km Sun Synchronous orbit, the four Patrol Mission satellites expand Kleos' data collection capability by up to an additional 119 million km<sup>2</sup> per day. They also enable Kleos to increase its average daily revisit rate over a 15-degree latitude area of interest to around five times a day.

Kleos Space CEO Andy Bowyer said, "We are rapidly building our constellation to raise the volume of data available to our customers. Each new mission features enhanced hardware and software capability, leveraging the learnings of earlier launches. The improved collection capability of the Patrol Mission is key for our government and commercial data subscribers. The value of our independent geolocation data grows in line with revisit rates, as it enables subscribers to use the data to establish pattern of life behaviour or tip and cue with existing datasets to improve the identification of illegal maritime and land-based activity".

Kleos successfully launched its Scouting Mission satellites into a 37-degree inclination in November 2020 and its Vigilance Mission cluster into a 525km Sun Synchronous orbit in June 2021. Its fourth cluster, the Observer Mission, is scheduled to launch in mid-2022. Flown in a formation of four, Kleos' nanosatellites detect and geolocate radio frequency transmissions to within 300m, enhancing the intelligence, surveillance, and reconnaissance (ISR) capabilities of governments and commercial entities.

This announcement has been authorised by Andy Bowyer, CEO of Kleos Space S.A.

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**About Kleos Space S.A.**

Kleos is a space-enabled radio frequency Reconnaissance data-as-a-service company with operations in Luxembourg, the US and UK. Kleos locates radio transmissions in key areas of interest around the globe, efficiently uncovering data points to expose human activity on land and sea. Using clusters of four satellites, proprietary radio frequency data (RF Data) is collected, transmitted to the ground, processed, and delivered to customers worldwide. Customers, including analytics and intelligence entities, will license data on a subscription basis (Data-as-a-Service aka DaaS), for government and commercial use cases – aiding better and faster decision making. Kleos’ first satellite cluster, the Scouting Mission (KSM), successfully launched in November 2020 is performing as a test and technology demonstration whilst collecting data. The company’s second satellite cluster, the Vigilance Mission, successfully launched in June 2021 and its Patrol Mission is scheduled to launch in January 2022 and fourth Cluster, Observer Mission targeted for mid-2022. These satellite clusters form the foundation of a global high-capacity constellation of up to 20 satellite clusters, which will deliver high value global observation. For more information visit: [www.kleos.space](http://www.kleos.space)

**Contracted Mission Schedule**

<b>Mission Designation</b>	<b>Mission Name</b>	<b>Launch Date (Actual/Scheduled)</b>	<b>Data Collect Capacity in million km<sup>2</sup>/day (constellation cumulative basis). <i>Data sold to customers on a per million km<sup>2</sup> basis</i></b>	<b>15 degree latitude ‘Area of Interest’ average daily revisits (constellation cumulative basis). <i>Data value increases in line with revisit rates</i></b>
<b>KSM1</b>	Scouting Mission	7 November 2020	15	2.1
<b>KSF1</b>	Vigilance Mission	29 June 2021	134	3.4
<b>KSF2</b>	Patrol Mission	January 2022	253	4.7
<b>KSF3</b>	Observer Mission	Mid 2022	372	6.0

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