

ASX RELEASE

26 June 2020

Launch of Kleos Development Technology - 3rd July 2020

Highlights

- Kleos Space to launch new data collecting technology as a 'hosted payload' on board the Faraday-1 mission
- Launch date - 3rd July 2020
- Launch of development technology significant step on R&D roadmap adding value to the Company
- Additional to PSLV C49 launch from India of the Kleos Scouting Mission

Kleos Space S.A. (ASX: **KSS**, Frankfurt: **KS1**) (**Kleos**, or **Company**), space-powered Radio Frequency Reconnaissance data provider, is launching new data collecting technology (software defined radio payload) integrated in an In-Space Missions Ltd (**In-Space**) Faraday-1 spacecraft to be launched into a sun-synchronous orbit from New Zealand by Rocket Lab on the 3rd July as part of the Company's R&D programme.

The launch of this new technology is a significant step on the Company technology roadmap to increase the range of target markets and is in addition to the Scouting Mission Satellites awaiting launch on PSLV C49 at the Sriharikota Range in India.

Over an estimated 2 year mission life, the Kleos payload will observe the Earth in a polar orbit, collecting revenue generating data including the: detection of ship radar for defence and security applications; investigation of spectrum use and derived data services in the 2.6GHz 4G band; and a wideband spectrum survey complementing the Kleos Scouting Mission data (155-165MHz part of the spectrum). This activity forms part of the Company's ongoing R&D programme to develop and test methods of data collection technologies for future use and is carried out within the context of the Company's existing strategy.

The payload comprises a new Software-defined radio (**SDR**) which is a form of computer that can perform the task of processing signals received by the antenna and other RF circuitry. SDR's are the primary payload on all Kleos satellites, thus this development is a key step on the Company technology roadmap to increase the number of data sets, target markets and revenue opportunities.

The hosting of the payload on the In-Space Faraday satellite will provide wide area surveillance data and serves as a demonstrator payload for enhanced Kleos satellites post Scouting Mission where clusters of four satellites provide high accuracy geolocation capability. Revenues generated by Kleos from potential sales of the data collected by the payload are not subject to a revenue sharing agreement with In-Space. The funding for this programme was reflected in the R&D expenditure included in the Company's annual accounts for the 2019 financial year and is approximately €160,000.¹

¹ Magna Parva Ltd, a Company under the control of Andy Bowyer and Miles Ashcroft is a contractor to In-Space Missions Ltd on their 'Cubescale' programme, which includes developing technologies for future Faraday spacecraft. Magna Parva Ltd has provided no services to the Faraday-1 spacecraft that relates to this announcement and has received no financial benefit with regard the relationship between In-Space and Kleos.

Miles Ashcroft, CTO of Kleos Space said: “Aside from the potential data sales to be accrued by having assets in orbit, the benefits to our technology roadmap are enormous. Providing opportunities for development of the data infrastructure and delivery, insight into data use scenarios and a perspective on behaviour that allows us to improve flight operations for the Kleos Scouting Mission and inform development of subsequent missions.”

Andy Bowyer, CEO of Kleos Space said: “It has been a pleasure to be part of this innovative service from In-Space, getting technology into Space that adds significant value to the Company and with the upcoming launch of our first four satellites from India this is the start of an extremely exciting period for the Company.”

Tony Holt, CTO of In-Space said: “The Kleos payload is co-hosted on the first Faraday mission from In-Space where we have made use of tried and tested satellite technology to offer customers reliable and responsive low cost access to space as a service.”

Doug Liddle, CEO of In-Space said: “We look forward to supporting Kleos over the coming years on their mission and development programmes.”

This announcement has been authorised for release by the Company’s Chief Executive Officer.

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About Kleos Space S.A.

Kleos Space S.A. (ASX: KSS) is a space enabled, activity-based intelligence, data as a service company based in Luxembourg. Kleos Space aims to guard borders, protect assets and save lives by delivering global activity-based intelligence and geolocation as a service. The first Kleos Space satellite system, known as Kleos Scouting Mission (KSM), will deliver commercially available data and perform as a technology demonstration. KSM will be the keystone for a later global high capacity constellation. The Scouting Mission will deliver targeted daily services with the full constellation delivering near-realtime global observation – www.kleos.space.

About In-Space Missions Ltd.



In-Space Missions brings together experience and innovation to create space businesses through collaboration and in-orbit demonstration. It develops new space and 'newspace' missions and provides consultancy and procurement support to the space sector. In-Space operates globally and has collaborated with or supported over 40 newspace, traditional space, institutional, financial, academic and government organisations since its inception in 2015. In-Space provides Space as a Service capability (Faraday), is developing an AR/VR immersive real-time video from space service, and has developed a number of platform technology products - <https://in-space.co.uk/> - <https://www.faradaymission.space/>.