ASX Announcement

19 September 2025

OSMOND READY FOR MAIDEN DRILL PROGRAM AT ORIÓN EU CRITICAL MINERALS PROJECT

HIGHLIGHTS

- **Drilling to commence as soon as fire rating conditions allow**
- **First drill rig on stand-by and positioned nearby first drill hole**
- **Unique Certified Reference Materials (CRMs) or standards prepared for assay Quality Control given unusually elevated levels of titanium and zirconium in outcrops.**

Osmond Resources Limited (ASX: **OSM**) (**Osmond** or **the Company**) is pleased to confirm it is ready to commence the maiden drill program at its flagship Orión EU Critical Minerals Project (**Orión** or **the Project**) once fire rating conditions allow.

Drill Ready

Under the terms of Investigation Permit and associated environmental guidelines, drilling cannot be undertaken during periods of 'Very High' or 'Extreme' fire rating. Spain has had a very hot and dry summer which has resulted in the fire rating generally remaining in the Very High and Extreme range. The fire rating was briefly under this for a day last week and the Company expects it to fall over the coming weeks and remain below Very High for the majority of the period between October 2025 and May 2026.

The Company has a drill rig positioned on stand-by nearby the location of the first drill hole. This drill rig will be mobilised for drilling as soon as the fire rating conditions allow. The Company expects to have additional drill rigs on site to fast-track the maiden drill program in October.

Unique Standards for QA/QC Purposes for Geochemical Assessment

Given unusually elevated levels of titanium and zirconium in outcrops, the Company has had unique standards prepared for QA/QC (Quality Assurance/Quality Control) purposes for the geochemical assessment program. SGS Labs Canada has used material from the outcrops to prepare the samples. This is an important step to ensure appropriate rigour and standards are in place with respect to the reporting of assay results, especially considering the Company's expectation of the likelihood for exceptional high grades based on previously reported samples.

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Approved for release by the Board of Osmond Resources.

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ABOUT OSMOND RESOURCES

Osmond Resources Limited (ASX:**OSM**) is an ASX listed company focused on fast-tracking the development of EU Critical Minerals Projects.

Spanish Projects

Orión EU Critical Minerals Project, Spain

Upon completion of a Scoping Study the Company will control an 80% interest in 95% of the Orión EU Critical Minerals Project (the **Project**) located in Jaén Province, Andalucía, Southern Spain (refer Figure 1 below). The Project includes 756 Spanish mining units (cuadrículas mineras) covering an area of 228 km^2.

It is a siliciclastic geological system with various layers rich in critical minerals including rutile (titanium), zircon, hafnium, and rare earth elements. The Project area was explored for thorium and uranium in the 1950s and 1960s and includes a historic galena mine.

The Company is targeting primary high-grade rutile, zircon and monazite layers that it believes will be prevalent in all three Zones. The potential grade of the layers is evidenced in bulk rock channel samples that were taken from three different outcrops (150kgs in total) across the Avellanar Zone (Zone 1) with the assay and mineral species' results shown below.

Table 1 – Select modals and oxides from bulk samples (*refer to ASX release 6 September 2024*[*]).

Element	Mineral	Unit	Sample 1	Sample 2	Sample 3
Titanium	**Rutile**	%	13.26	13.16	15.22
	Ilmenite	%	6.02	4.69	5.05
Zirconium	**Zircon**	%	9.28	8.44	9.37
Rare Earths	**Monazite**	%	1.54	1.50	1.72
	Allanite	%	0.30	0.02	0.03
	Xenotime	%	0.03	0.03	0.03
	TREO[†]	%	1.18	1.07	1.17
Element	**Oxides**	**Unit**	**Sample 1**	**Sample 2**	**Sample 3**
Hafnium	**HfO_2**	ppm	1,204	1,178	1,295
Neodymium	**Nd_2O_3**	ppm	2,049	1,858	2,039
Praseodymium	**Pr_6O_{11}**	ppm	575	520	568
Samarium	**Sm_2O_3**	ppm	366	331	364
Gadolinium	**Gd_2O_3**	ppm	259	232	256
Terbium	**Tb_4O_7**	ppm	33	30	33
Dysprosium	**Dy_2O_3**	ppm	155	142	154
Lutetium	**Lu_2O_3**	ppm	13	12	13
Yttrium	**Y_2O_3**	ppm	689	628	684

The Company is looking to fast-track development activities with initial drilling to confirm continuity and grade of the mineralised layers, a Mineral Resource Estimate, Scoping Study activities and confirmation of a flow sheet. All these activities are expected to be completed in FY26 to take advantage of strong EU regulatory support for in-sourcing production of critical minerals.

[*] *TREO: Total Rare Earth Oxides - Y_2O_3, La_2O_3, CeO_2, Pr_6O_{11}, Nd_2O_3, Sm_2O_3, Eu_2O_3, Gd_2O_3, Tb_4O_7, Dy_2O_3, Ho_2O_3, Er_2O_3, Tm_2O_3, Yb_2O_3, Lu_2O_3*

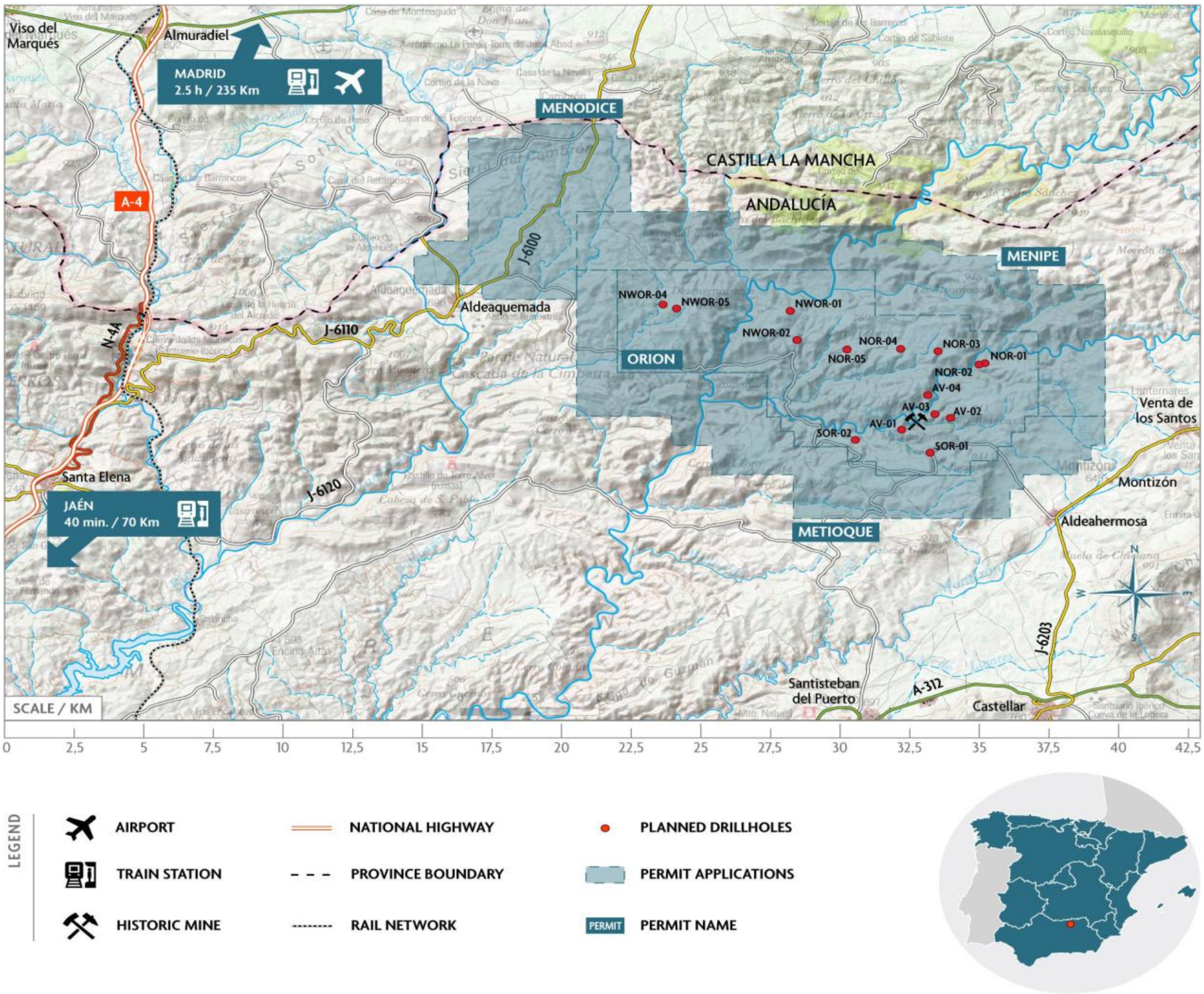

Figure 1 – Map showing Orion EU Critical Minerals Project location and location of proposed drill holes.

Iberian One Project, Spain

The Company owns a 100% interest in the Iberian One Project, located in Segovia Province, central Spain. The project aims to exploit kaolinite and alunite mineralisation to deliver EU critical minerals.

Osmond is working with the University of Salamanca and SGS on options to fast-track development activities to take advantage of EU critical minerals legislation and the need for extraction projects to reduce the EU's reliance on imports of alumina, potash and graphite.

South Australian Projects

The Company owns 51% of the Yumbarra Project (EL6417) in South Australia that is prospective for uranium, base metals and platinum group elements (PGE). The Company is currently considering the best way to progress the project.