ASX Announcement

30 September 2025

OSMOND TO COMMENCE DRILLING AT ORIÓN EU CRITICAL MINERALS PROJECT

HIGHLIGHTS

- **Drilling to commence on Wednesday 1 October 2025**
- **Initial drill holes expected to confirm continuity and grade**
- **Balance of 15 drill hole program across 86km² permit area expected to confirm scale**

Osmond Resources Limited (ASX: **OSM**) (**Osmond** or **the Company**) is pleased to confirm it expects to commence drilling its first drill hole of an initial 15 drill hole program on 1 October 2025.

The initial drill holes are expected to confirm the geological interpretation and establish the likelihood of pervasive seams across the permit area. These drill holes are also expected to confirm similar grades to those that have been released to the market from outcrops across the entire permit area.

The balance of the 15 drill hole program is designed to establish the potential for significant scale. Drill hole locations are noted as red dots in the map below.

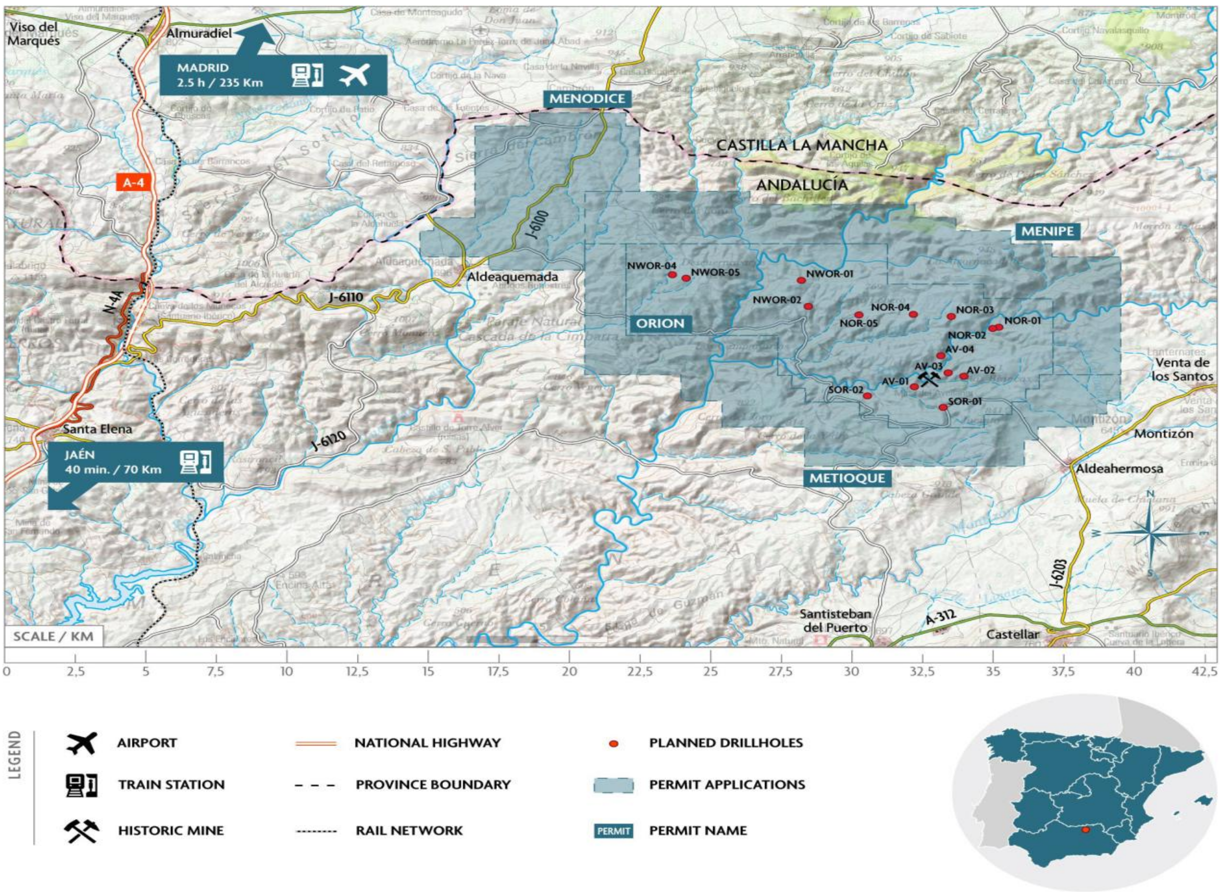

Figure 1 – Map showing Orion EU Critical Minerals Project and location of proposed drill holes.

-Ends-

Approved for release by the Board of Osmond Resources.

CONTACT

Anthony Hall | Managing Director and CEO
ahall@osmondresources.com.au
+61 417 466 039

Elvis Jurcevic | Investor Relations
ej@osmondresources.com.au
+61 408 268 271

Competent Person Statement

The information in this release that relates to Exploration Results is based on information compiled by Mr Fernando Palero. Mr Palero is the Chief Geologist of Iberian Critical Minerals Pty Ltd. Mr Palero is a licensed professional geologist in Spain and is a registered member of the European Federation of Geologists, an accredited organisation to which the Competent Person (CP) under JORC Code Reporting Standards must belong in order to report Exploration Results, Minerals Resources or Ore Reserves through the ASX. Mr Palero has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a CP as defined in the 2012 edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC code). Mr Palero consents to the inclusion of this information in the form and context in which they occur.

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

Orion EU Critical Minerals Project, Spain

Upon completion of a Scoping Study the Company will control an 80% interest in 95% of the Orion EU Critical Minerals Project (the **Project**) located in Jaén Province, Andalucía, Southern Spain (refer Figure 2 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*).**

Select Modals and Assay Results from Bulk Samples					
Element	**Mineral**	**Unit**	**Sample 1**	**Sample 2**	**Sample 3**
Titanium	**TiO_2**	%	**15.16%**	**14.04%**	**15.84%**
	Rutile	%	13.26%	13.16%	15.22%
	Ilmenite	%	6.02%	4.69%	5.05%
Zirconium	**ZrO_2**	%	**5.57%**	**6.09%**	**5.73%**
	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%**
	Heavy Minerals	%	***31.5%***	***28.7%***	***32.3%***
Element	**Oxides**	**Unit**	**Sample 1**	**Sample 2**	**Sample 3**
Hafnium	**HfO_2**	ppm	1,204	1,178	1,295
Lanthanum	**La_2O_3**	ppm	2,154	1,964	2,113
Cerium	**CeO_2**	ppm	5,305	4,815	5,270
Praseodymium	**Pr_6O_{11}**	ppm	575	520	568
Neodymium	**Nd_2O_3**	ppm	2,049	1,858	2,039
Samarium	**Sm_2O_3**	ppm	366	331	364
Europium	**Eu_2O_3**	ppm	28	26	28
Gadolinium	**Gd_2O_3**	ppm	259	232	256
Terbium	**Tb_4O_7**	ppm	33	30	33
Dysprosium	**Dy_2O_3**	ppm	155	142	154
Holmium	**Hm_2O_3**	ppm	27	25	27
Erbium	**Er_2O_3**	ppm	73	67	72
Thulium	**Tm_2O_3**	ppm	11	10	11
Ytterbium	**Yb_2O_3**	ppm	79	72	77
Lutetium	**Lu_2O_3**	ppm	13	12	13
Yttrium	**Y_2O_3**	ppm	689	628	684

* *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*

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 expected to be completed in FY26 to take advantage of strong EU regulatory support for in-sourcing production of critical minerals.

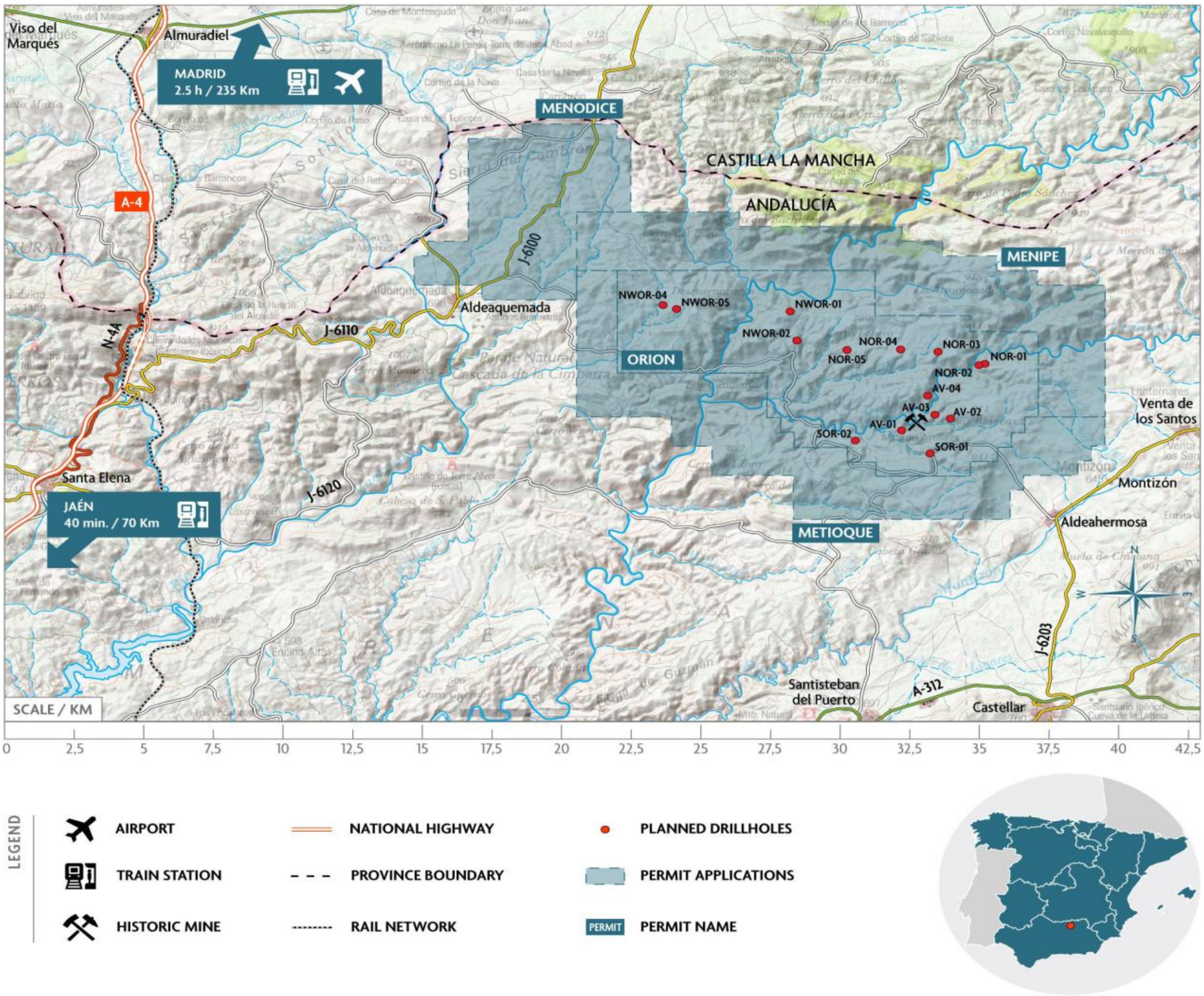

Figure 2 – Map showing Orion EU Critical Minerals Project and location of proposed drill holes.

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.