

# The Uis Tin-Lithium (Petalite) Project

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Keywords: Uis, Pegmatite, Tin, Cassiterite, Lithium, Petalite, AfriTin Mining, CSA Global, Namibia

## ABSTRACT

The Uis pegmatite swarm forms part of the Cape Cross-Uis pegmatite belt, one of several pegmatite belts, hosted in the upper Damaran metasediments, within the Neoproterozoic Pan African Damara Belt in Namibia. The belt forms a northeast-trending belt from Cape Cross in the west to north of Uis. Four pegmatite types (LCT and NYF types) are recognized namely: 1) Cassiterite(-petalite) pegmatites, 2) Niobium-tantalum-rich pegmatites, 3) Lithium-rich pegmatites (amblygonite-spodumene-petalite), 4) Simple, quartz-feldspar-schorl (tourmaline) pegmatites (Diehl, 1993).

The Uis pegmatite field is situated in a N-S orientated, fracture-bounded zone about 2km wide and 7 km long, within which the pegmatite emplacement was been controlled by ENE-trending Riedel fractures (Diehl, 1993). The Uis pegmatite field comprises over 180 poorly zoned cassiterite(-lithium-tantalite) mineralised pegmatites and a few lithium rich pegmatites.

The Uis Tin Mine, owned by Afritin, is underlain by a portion of the Uis pegmatite field. Tin (from disseminated cassiterite) was mined from sixteen pegmatites on the Uis mining licence during the period c.1960-1990 by the Namibian subsidiary of the South African company ISCOR (Iron and Steel Corporation (Pty) Ltd) and at its peak, was the largest hardrock tin mine in the world (CSA Global, 2019).

Lithium mineralization in the Uis pegmatites is hosted in petalite and has never been recovered as a by-/co-product. Recent exploration drilling conducted in 2019 and 2021/2022 has confirmed tin mineralisation and the presence of significant petalite-hosted lithium mineralisation. The V1-V2 Mineral Resource estimate dated 16 September 2019 reported 71.54 Mt at 0.134% Sn (comprising Inferred, Indicated and Measured categories) and 0.63% Li<sub>2</sub>O and 85ppm Ta (Inferred category) making it one of the larger lithium-bearing pegmatites in Africa.

The presentation will provide an update on Afritin's 2021/2022 exploration results, focusing on the petalite mineralization and market considerations.

## REFERENCES

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