



Uranium

Wood is one of the world's leading providers of engineering and construction services to the uranium mining and processing industry. We have worked in Africa and Canada for more than 30 years, as well as in the USA, Europe, Australia and Asia.

Wood has been very active in the Namibian/Southern African uranium industry and has constructed some of the largest and most complex uranium plants in the country.

We pride ourselves in covering the full value chain from early testwork and flowsheet development right through to construction and commissioning. Currently we are the main EPCM contractor on the Bannerman Etango project and are also performing work at Rossing and Langer Heinrich.

The Husab project remains one of the most complex projects completed by Wood in Namibia. Wood has experience in both acidic and alkaline flowsheets, covers both heap and tank leach and solvent extraction and Ion Exchange flowsheet options.

Wood designs, delivers and maintains strategic and complex assets for our clients. With around 35,000 employees in more than 60 countries, we operate in the oil & gas, mining, clean energy, power generation, pharma, environment and infrastructure markets. Our mining staff are based in offices in South Africa, Canada, USA, Australia, Chile and Peru.

Our areas of mining expertise include:

- front-end services including resource and reserve estimating, mine planning and design, geotechnical services, and scoping, prefeasibility and feasibility studies
- NI 43-101, S-K 1300, JORC and SAMREC reporting
- engineering design and procurement
- project and construction management
- plant startup and commissioning
- asset maintenance and support.

For more than 30 years, Wood has provided services to virtually all of the world's major mine developers and operators, as well as mid-sized mining companies, "juniors" and lending institutions.

In the last ten years alone, we have worked on more than 1,500 mining and metallurgical projects in more than 75 countries. Our recent clients for uranium mining and processing have included:

- AREVA (now Orano)
- Bannerman Resources
- Berkeley Energia
- Cameco
- CanAlaska Uranium
- Denison Mines
- Fission Uranium
- Forsys Metals
- Heathgate Resources
- NexGen Energy
- Paladin Energy
- Rio Tinto
- Swakop Uranium
- Uranium Energy Corp
- Uranium One
- Aura.

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Experience



Etango

Etango, Namibia Bannerman Resources

The Etango project is located ~35km east of Swakopmund, Namibia. The project scope is to develop an opencast Uranium mine and processing facility (IX) along with the associated infrastructure capable of treating 8Mtpa of ore and producing a total of 52.9 Mlb of U₃O₈ (Yellowcake). Wood's commitment to the CF2 Large Tanks project underscores our dedication to operational excellence and our pledge to deliver energy solutions that power progress and preserve the environment.

Wood conducted prefeasibility/feasibility studies and updates relating to the development of this project at throughputs ranging from 15M down to 8M t/a, including value engineering to reduce capital cost by 30%, and several process reconfigurations. We then provided detailed engineering of a 5M lb/year project with heap leaching, ion exchange, uranyl peroxide (UP) precipitation and calcining to UO₃. Currently Wood is busy with the Detail Engineering and early works construction phase.

Wood understands – and has the full resources to address – the unique challenges of mining, processing, and handling uranium ores and products safely, as well as the protective measures required during construction. We work to ensure that radiation exposures are maintained within regulatory limits, and as low as reasonably achievable (ALARA).

Husab, Namibia Swakop Uranium and predecessors

Wood completed scoping, prefeasibility and feasibility studies of developing this high-grade granite-hosted deposit, on behalf of then-owners Kalahari Minerals and Extract Resources. We then conducted a definitive feasibility study of a 15M t/a open-pit project with crushing, milling, acid leach, SX, ion exchange, CCD, belt filter,

precipitation plant, and packaging of the final product, as well as associated infrastructure and utilities. We also completed a comprehensive value engineering exercise, and provided EPCM services for an early works program at the site. We then provided EPCM services for the overall project in joint venture.



Langer Heinrich, Namibia Paladin Energy

Wood provided feasibility study and EPCM services for this project, the first uranium plant to be constructed outside of Canada in the last 25 years. Langer Heinrich is designed to produce 1,180 t/a of U₃O₈ over its fifteen-year life. The plant includes primary and secondary crushing, scrubbing and attritioning, concentrate leaching, CCD filtration, clarification, uranium and vanadium ion exchange, uranium and vanadium precipitation, product packaging, and bulk chemical and reagents storage. Wood was also responsible for mining, material handling, tailings disposal, utilities and infrastructure. We then completed the feasibility study of the Stage IV expansion of this facility, from 5.2M to approximately 9M lb/year, and undertook a conceptual study of heap leaching mineralized waste.

Trekkopje, Namibia Uramin / Orano

Wood was responsible for geotechnical investigations, preliminary and detailed design, and construction supervision of a 40,000-tonne trial heap leach pad at this mine, followed by construction quality control for the pad, solution corridor and ponds. For the 3M t/a "midi" pad and heap leach system, our work included geotechnical assessment of the pads, construction specifications for the pads and solution management system, detailed design, and construction quality control.