

URANIUM CAPABILITY STATEMENT

Engineers and Project Managers that can take your project to the next level

URANIUM PROCESSING A WEALTH OF MINERAL PROCESSING EXPERTISE

The most striking feature of uranium process metallurgy is the diversity of minerals present and therefore the flowsheets adopted. This diversity will limit the possibilities of toll milling to decrease CAPEX requirements therefore creating viable projects – a common approach in gold and nickel.

By their very nature, the numerous uranium and associated minerals in a deposit are exotic and complex. This creates a considerable challenge as not only can the multiple uranium minerals behave very differently but their associated minerals can also pose considerable challenges for process design.

Uranium exists as deposits in sandstone, pegmatites, shales, lignite ores, gold ores and copper ores as well as some granites. The implications of mineral composition dictates how the ore will process. In addition, the nature of the host rock or gangue can make extraction more difficult, increasing reagent consumption or requiring pre-treatment.

RANGE OF CAPABILITIES A WIDE RANGE OF URANIUM PROCESSING SERVICES

Metallurgical testplans	Vendor evaluation
Project management	Project implementation
Metallurgical summary reports	Engineering studies
Flowsheets	Environmental studies
Mass balances	Process description / equipment lists
P&ID's	Detailed design

MAJOR URANIUM PROJECTS PROJECT EXPERIENCE

METS has worked on numerous Uranium projects including:

- African Investments Grou Congo SA - Uranium Phosphate Project
- COMINCO SA - Democratic Republic of Congo Hinda Uranium Phosphate Project
- Uranex NL - Western Australia - Thatcher Soak Uranium Project
- Jackson Gold - Argentina Rio Colorado Uranium Project
- Wild Horse Energy - Messek Hills Uranium Project
- Energy Ventures - Aurora Uranium Project

MINERAL PROCESSING COURSE SHARING OUR KNOWLEDGE

We offer a course that gives participants in-depth knowledge of the broader aspects of mineral processing. A wide range of topics is covered and participants will gain an understanding of the fundamental unit processes, equipment and flowsheets as well as physical and chemical mineral processing principles.



ABOUT METS

METS Engineering Group Pty Ltd is an independent specialist consulting group providing services to the global mining industry. Our professional staff are available to help on any job in Australia and overseas.

Since 1988, METS has established itself as a quality service provider. METS is aptly skilled to provide comprehensive services to the mining industry in mineral processing, engineering design, training and specialist services.

Our core business is founded on establishing long-term relationships with our clients, enabling us to draw upon our historical knowledge of specific project operations to derive the best possible outcomes. Our core purpose is to make economic resource projects more robust and to make robust projects realise their full potential.

