INTERNSHIP ROLE PROFILE

GENERAL DETAILS	
Role Title	Mapping Tin Resources Intern
Department	Market Intelligence
Reports to (manager)	Market Analyst
Location	St Albans (hybrid) or remote
Date	Minimum six weeks and ideally eight weeks, flexible on start date

PURPOSE

Tin is an essential metal to the energy transition, with solder representing approximately 50% of tin demand annually. With energy transition technologies, including photovoltaics and electric vehicles, set to see increased demand, demand for tin itself is set to rise above existing projections of supply. The International Tin Association (ITA) represents the global tin industry, directly representing two thirds of tin metal production through its membership structure. With future supply insufficient to meet forecasted demand, we are placing focus on gathering intelligence on tin resources globally.

To support ITA's Global Mapping Resources project to expand the existing database of tin mineral occurrences and mineral resource estimates. This project aims to ultimately develop an interactive GIS-based platform as a knowledge base for tin mineral resources, and this internship will focus on the data collection and validation involved. This work will assist in assessing the state of mineral exploration, potential for new mine development, and better understanding the opportunities and challenges in the supply side of the tin industry.
The role will also involve supporting the Market Intelligence team in everyday activities, providing context to the tin industry and the overarching rationale behind the Global Mapping Resources project.

TYPICAL TASKS

Mapping Resources project:

- Updating and verifying mineral resource estimates from public sources, including aggregated data from other analysts and research organisations.
- Researching and adding relevant deposit information, including location, geology, mineralisation style, coincident metal mineralisation, and historical production.
- Researching and analysing conversions for resources to reserves, and other trends relating to mineral economics.
- Researching existing literature on tin deposits and applying this information to little-understood deposits to assist in predicting resource size and extractable metal content, to develop speculative resource estimates on a deposit- and country-level basis.

- Liaising with existing tin mine operators, exploration companies, and industry experts to obtain data and holistic information regarding tin deposits.

In addition to these tasks, you may (time allowing) shadow and support the Market Intelligence team in everyday activities including gathering mineral production data, mineral and metal import/export data, metal consumption data, researching market trends, and speaking with market participants to understand current market dynamics. This experience will provide context to the Mapping Resources project but is not an essential part of the internship scope.

ESSENTIAL REQUIREMENTS

Application/ Energy	• An interest in the energy transition metal industry. • Have an analytical mindset and be able to apply knowledge to situations of incomplete data. • Highly self-motivated and have drive to gather insights in an opaque market. • Professional work ethic and behaviour.
Knowledge	• Ongoing study in a relevant field, ideally Geology, and a basic understanding of mineral genesis and ore-forming processes. • Understanding of mining processes and mineral economics and appreciation of mineral supply chains and mineral criticality would be beneficial but not essential.
Technical Skills	• Have strong oral and written fluency in English. • Keen attention to detail with data input, data management, and written deliverables.

ABOUT INTERNATIONAL TIN ASSOCIATION

The International Tin Association (formerly ITRI) is the world's foremost authority on tin with over 80 years' experience in tin related technologies. It is a membership-based organisation representing major tin producers and smelters and is the premier source of tin related information. ITA has specialist knowledge of tin use in all the major sectors as well as groups responsible for statistical and market information, future uses, regulatory affairs and sustainability. It provides links to the main tin consuming sectors through a substantial network of industry contacts. The organisation hosts seminars and international conferences. It also provides marketing and technical support to its members and the tin industry in general. Further information can be obtained from http://www.internationaltin.org