

Andrew Wells
Senior Consultant

Tel: +44 (0) 20 7242 8444
E-mail: cwa@cwa.uk.com
Website: <http://www.cwa.uk.com/>



Qualifications BSc (Eng) (Hon's) Royal School of Mines, Imperial College, London (Mineral Technology)

Affiliations ARSM, Member of the Institute of Materials, Minerals and Mining; Chartered Engineer

Languages Portuguese and Spanish

Date of Birth 23 July, 1955

Nationality British

Current Position at CWA

Consultant – Minerals Department

Specific Expertise and Experience at CWA

Has an extensive knowledge of metalliferous operations ranging from mining issues related to processing, concentrate and ore shipping and sampling; sales contracts and the integration of good environmental practice into day to day management.

Experience of a wide variety of due diligence assignments and audits for banking purposes.

Design and commissioning experience of a broad range of concentration circuits including crushing, flotation, gravity concentration and magnetic separation.

Detailed optimisation and capacity increase studies carried out for numerous mineral processing plants.

A certified Internal Quality Auditor for ISO 9000.

Summary of Previous Employment

2002-2004 Mackay & Schnellmann, Director

Responsible for signing off stock exchange documentation e.g.

Competent Person's Report and valuation of the chrome and vanadium assets of Xstrata for their main board London Stock Exchange listing.

Qualified Person's Report to Canadian Standard 43-101 on the Kipushi Zinc project, DRC.

1996-2001 IMC Mackay & Schnellmann, Principal Metallurgist and Manager

Joined in March 1996 as Principal Metallurgist working on various consultancy assignments involving gold, copper, lead/zinc/silver, tin, silica glass sand, manganese, vanadium (in magnetite and hematite), tungsten, germanium, indium and rutile (titanium). He became a Director in 2001.

Prior to 1996 Started his professional career at the Chambishi Copper Mine in Zambia, following his degree in Mineral Technology at the Royal School of Mines. He worked on the computer control of the grinding circuit and commissioning of Davcr pneumatic flotation cells.

Then, following a year at a gravity tungsten operation, Andrew joined Carnon Consolidated. He rose from metallurgist to Metallurgical Superintendent at the Wheal Jane and South Crofty polymetallic zinc, copper and tin operations. Optimisation of these complex flotation and gravity operations, including the "de-bottlenecking" of the plants, helped ensure the survival of the company through the "Tin Crisis" of 1985. This ten-year period also included the downsizing, re-structuring and Management Buyout of the operations from Rio Tinto and periods of consultancy for various mining companies.

He subsequently re-joined Rio Tinto for Somincor at the Neves Corvo Copper Mine in Portugal, initially as a Resident Consultant and subsequently as Process Department Head. He was responsible for achieving power reductions in the grinding circuits, resulting in large cost savings. He also instigated water management improvements to halve fresh water consumption during a drought period. He was a founder member of the Rio Tinto Milling Technical Panel - covering large mineral processing operations world-wide.

CWA
INTERNATIONAL
CONSULTANCY
SERVICES