

THE MINING INSTITUTE OF SCOTLAND

an Affiliated Local Society of

I.M3

Institute of Materials,
Minerals & Mining

Wednesday, 14 December 2022 at 18:00 hours

Joint Meeting with the Mining Technology Group

Mine Shaft Access – A new approach

Presented by

Martin Downing, Wardell Armstrong and Dave Greenwell, SES Ltd



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Synopsis

The Milwr Tunnel is a 16km long tunnel that drains an extensive area of former lead mines in North Wales. Wardell Armstrong has worked with SES over the last 10 years to inspect and maintain the tunnel. Due to the length of the tunnel and the significant flow of water through it, the opening up and re-commissioning of two abandoned mine shafts has been necessary to provide access to points along the tunnel. The presenters will describe some of the work that has been carried out to rehabilitate the shafts, in particular, describing the most recent inspection at Caeau Shaft that involved mobile cranes to safely access the 200m deep shaft. The project showed how this approach can be utilised for occasional entry into other abandoned mine shafts, rather than requiring the setup of conventional winding systems.



Biography

Martin Downing CEng MIMMM is an Associate Director based in the Edinburgh office of Wardell Armstrong. Trained as a mining engineer, he has many years of varied experience in mining, geotechnical and environmental engineering. He has particular expertise in the assessment and remediation of operational and abandoned mines and has been involved in numerous mine rehabilitation and reclamation projects, both surface and underground.

Dave Greenwell CEng FIMMM is an ex British Coal Electrical Engineer who, since closure of the Selby Coalfield, has been both an Engineering Director and latterly a consultant engineer in a career lasting nearly 50 years and still counting. He has a very diverse portfolio, ranging from giving onsite assistance to the principal contractors building hydroelectric schemes in Assam India to building stacker conveyors in the Arctic Circle at minus 30 degrees.

Registration

If you wish to hear Martin and Dave, you **must complete a Meeting Register Form** to attend at a physical venue or receive the Zoom link. Please contact David Seath (d.seath@btinternet.com) or go direct to: <https://forms.gle/3BLSDw9zFHsk2nNp7>

Other matters

Equality, diversity and inclusion

The Mining Institute of Scotland is committed to encouraging and promoting equality, diversity and inclusion among our members, and eliminating unlawful discrimination of members or the public. The purpose of our equality, diversity and inclusion policy is to:

1. Provide equality, fairness and respect for all in our membership, regardless of grade.
2. Not unlawfully discriminate because of the Equality Act 2010 protected characteristics of:
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 - marriage or civil partnership
 - pregnancy and maternity
 - race (including colour, nationality, and ethnic or national origin)
 - religion or belief
 - sex
 - sexual orientation.
3. Oppose and avoid all forms of unlawful discrimination.

Code of Conduct at Events

The Mining Institute of Scotland (MIS) values the participation of each member of the materials, minerals and mining community and want all attendees at our events to have an enjoyable and fulfilling experience. Accordingly, all attendees are expected to show respect and courtesy to other attendees throughout all events. In order to make it clear what is expected at our events, all delegates, attendees, speakers, exhibitors, organisers, volunteers and visitors at any part of the event are required to conform to the MIS Events Code of Conduct. In addition, MIS has a Code of Professional Conduct on ethical standards that applies to members and the general public. A copy of both MIS Codes is available from the Secretary before or at each event.

Venue

Wardell Armstrong, Great Michael House, Links Place, Edinburgh EH6 7EZ or other ALS venues

Online via Zoom

Presentation 6:00 PM

Reservations essential