

TECHNICAL VISIT TO RAHMAN HYDRAULIC TIN SDN BHD (RHT)*(Organised by Oil, Gas & Mining Technical Division, IEM)***BEM Approved CPD: 3****Ref. No. : IEM25/HQ/402/V****Date : 27 September 2025 (Saturday)****Time : 7.45 am – 1.30 pm** (Assemble at Masjid Jamek Pengkalan Hulu, Perak by 7.45 am. and participants will need to car pool going to RHT site due to limited parking spaces there. Will depart at 8.15 am sharp)**Venue : Rahman Hydraulic Tin Sdn Bhd, Lot 765, 33200, Jalan Baling - Kuala Kangsar, 33100 Pengkalan Hulu, Perak****BACKGROUND**

Rahman Hydraulic Tin (RHT), located in Pengkalan Hulu, Perak is one of the oldest and largest open-pit tin mines in Malaysia. With a legacy that stretches back to the early 20th century, the mine has played a pivotal role in Malaysia's tin industry. Originally developed during the British colonial era, the operation has undergone several phases of transformation, from traditional placer mining to modern mechanized open-cast methods. The mine has since been modernized with the incorporation of advanced mineral processing technologies, environmental safeguards, and sustainable operational practices, making it a model for responsible mining in Malaysia.

The site is rich in cassiterite—the primary ore of tin—and is located in the Central Belt tin-bearing zone of Peninsular Malaysia, a region historically renowned for its tin wealth. The orebody is hosted in a granite-associated system, and the mine utilizes conventional drilling and blasting techniques, followed by truck and shovel operations to extract and transport ore. The processing plant features a combination of gravity separation and flotation processes to recover tin concentrate.

In line with environmental and social governance (ESG) principles, RHT has implemented tailings management systems, water recycling, and rehabilitation efforts to minimize the environmental footprint. The mine also engages with local communities through employment opportunities, education programs, and infrastructure development, contributing significantly to the socio-economic development of Pengkalan Hulu and surrounding areas.

RHT's strategic importance lies not only in its contribution to Malaysia's mineral production but also in its demonstration of how historical mines can be revitalized to meet modern demands. As global attention on responsible sourcing and sustainable mining intensifies, Rahman Hydraulic Tin stands as a benchmark for legacy mining operations adapting to contemporary standards of environmental stewardship and community engagement.

TIME	ITINERARY
07.45am	Registration
08.15 am	Depart from Masjid Jamek Pengkalan Hulu (Carpool)
09.00 am	Arrival at Rahman Hydraulic Tin (RHT)
09.15 am – 10.30 am	Presentation by RHT - Safety Induction and Project Briefing
10.30 am – 12.30 pm	Mine Tour
12.30 pm – 01.30 pm	Lunch and conclusion of visit

- ✓ The visit is strictly limited to only **20 participants** registered and registration will be on a **first-come, first-served** basis.
- ✓ Interested participants are to register and pay online at www.myiem.org.my or register by returning the appended registration form **before 20 SEPT 2025** together with the payment.
- ✓ Cheques are to be made payable to **"The Institution of Engineers, Malaysia"**.
- ✓ Please note that **the commitment fee must be settled prior to the visit. Payment on the day of the visit is unacceptable.**
- ✓ After this closing date, IEM reserves the right to allocate seats on first come first pay basis.
- ✓ Members are also reminded that if a place is reserved, IEM may cancel the reservation if payment is not received.
- ✓ If IEM maintained the reserved seat and the intending participant failed to attend the visit on the date of the event, the fee will still have to be settled in full.

SAFETY NOTICE

Participants are encouraged to wear casual clothing for the visit and are advised to bring their own personal protective equipment (PPE) if available, including safety vest, hard hat and safety shoes.

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

**Commitment fees (Inclusive of SST)
(Non refundable & non transferable)**

IEM Member : RM 50.00
Non Member : RM 70.00

Ir. Muhamad Her bin Hj Jantan

Chairman

Oil, Gas and Mining Technical Division