



IQM

INSTITUTE OF QUARRYING MALAYSIA

Newsletter



FOR MEMBERS CIRCULATION ONLY

JAN - JUNE 2022 KDN NO: PP8487/06/2013(032604)

MESSAGE FROM THE EDITOR

Good day everyone!

Hope all of our members have been well and in good health. Year 2021 seems to have been more challenging to all of us due to the pandemic and has affected many businesses as well.

The vaccine has helped us to flatten the curve and we are seeing less severe cases for the past few months. However, as per government recommendation, please make yourselves available to get the booster shots in order to be safe and prepared in case of another wave.

A big congratulations to the Council Members & Management Team of IQM for having successfully passed the recertification audit by SIRIM. A new ISO 9001 Certificate for a period of 3 years will be issued by SIRIM.

It has been a slow year for IQM from January to September 2021, nevertheless we were able to sustain ourselves.

During the year 2021, IQM had successfully organized a number of QMC Modules as below :

- i. Training Course for Shot-Firers 3/2020 was conducted from 5 – 9 April 2021 at IQM Puchong
- ii. Training Course for Shot-Firers 1/2021 was conducted from 15 – 20 November 2021 at IQM Puchong
- iii. Drilling Course was conducted from 6 – 8 December 2021 at IQM Puchong
- iv. Crushing and Screening Course was conducted from 20 – 22 December 2021 at IQM Puchong

IQM will continue to provide reliable and up to date courses for the upcoming year. Members can refer to the IQM Calendar of Events in this publication, and also available on IQM website.

We had successfully organized IQM's 19th Annual General Meeting on 25th September 2021 via Zoom Platform. Due to the SOP implemented by the Malaysian Government, IQM had to carry out an online meeting.

The IQM Conex 2021 that was planned for 26 – 27 October 2021 had to be re-schedule to 2022 due to the pandemic. The event will tentatively be held from 18 – 19 October 2022 at the Palm Garden Hotel, IOI Resort, Putrajaya. We are looking forward for the IQM Conex 2022 event to take place after a lapse of 2 years and we hope for our valuable members and all in the quarrying fraternity to block these dates in your calendar and get ready for this mega event of the year !

Once again, we wish to remind members to renew their membership for year 2022. The CPD requirement is still voluntary and members are highly recommended to submit their CPD records for 2021.

INTERNATIONAL AFFILIATIONS:



The Institute of Quarrying
United Kingdom



The Institute of Quarrying
Australia



The Institute of Quarrying
Southern Africa



The Institute of Quarrying
New Zealand



The Institute of Quarrying
Malaysia



The Institute of Quarrying
Hong Kong



2022 IQM COURSES AND ACTIVITIES

JANUARY

Membership
Renewal

19 - 20 January
Legislation Course for
Quarrying (IQM)

**IQM
NEWSLETTER**

FEBRUARY

CNY Holidays

14 - 17 February
OSH Course (IQM)

**CONEX
ANNOUNCEMENT**

MARCH

8 - 11 March
Environmental
Management
Course (IQM)

21 - 26 March
Training Course for
Shot-Firers
1/2022 (IQM)

APRIL

PUASA MONTH

**QUARRY
DIRECTORY 2022**
(out for sale)

14 April
Shot-Firers Exam
(IQM)

MAY

HARI RAYA
HOLIDAY

17 -19 May
Drilling Course
(IQM)

JUNE

13 - 15 June
Crushing & Screening
Course (IQM)

25 June
20th AGM /
Technical Talk
(IQM)

JULY

18 - 23 July
Training Course for
Shot-Firers
2/2022
(IQM)

**IQM
NEWSLETTER**

AUGUST

18 August
Shot-Firers Exam

23 - 25 August
Quarrying Planning &
Design (IQM)

SEPTEMBER

12 - 14 September
Drone Operation
Management &
Application
(IQM)

OCTOBER

17 - 19 October
IQM Conex 2022
(Palm Garden Hotel,
IOI Resort)

**DEEPAVALI
HOLIDAYS**

NOVEMBER

Circulation of QDM 2023
Space Order Form

1 - 3 November
Quarry Economics
(IQM)

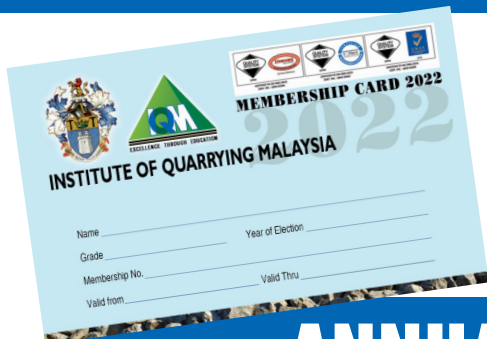
14 - 19 November
Training Course for
Shot-Firers 3/2022
(IQM)

NOVEMBER

24 November
Shot-Firers Exam

DECEMBER

**CHRISTMAS/
NEW YEAR
HOLIDAYS**



ANNUAL SUBSCRIPTION FOR 2022

Please be informed that the Annual Subscription (Membership Fee) for 2022 is due for payment. Kindly ensure that your subscription is paid in time to avoid termination of membership.

Kindly send in your payment by crossed cheque / bank draft / money order made in favour of "Institute of Quarrying Malaysia Bhd".

The following subscription rates apply for 2022.

Fellow (FIQ)	:	RM250.00
Member (MIQ)	:	RM200.00
Technical Member (TMIQ)	:	RM190.00
Associate	:	RM180.00
Student	:	RM 25.00

I _____ Membership No : _____

enclose my crossed cheque/bank draft/money order no. _____

for RM _____ being Membership Fee for year _____ payable to

INSTITUTE OF QUARRYING MALAYSIA BHD.

E-mail : _____ Handphone No : _____

Payment by cheque can be mailed to IQM or online transaction can be made to :

Account No.: 0141 8720 8342 Maybank

(Kindly fax / email bank transaction advice)

Membership Payment Scheme

To encourage members to retain their membership on a long term basis, IQM is offering a new membership scheme :

Membership fee paid in advance for two (2) years, entitles member to one (1) year free membership.

This will benefit not only the member but also reduce the administration cost.

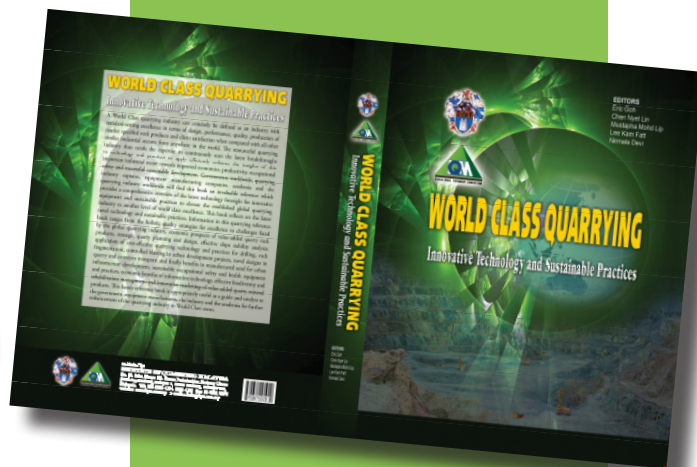
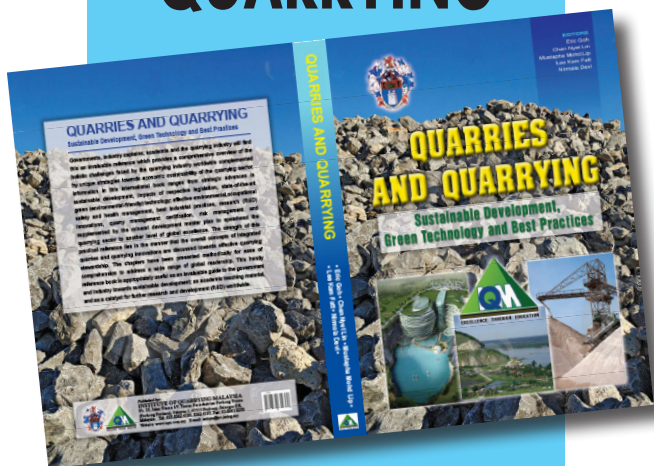
IQM hopes more members will accept this beneficial scheme.

THE FOLLOWING MEMBERS HAVE BEEN TEMPORARILY TERMINATED IN 2022 DUE TO UNPAID MEMBERSHIP FEE THAT HAS LAPSED FOR 3 YEARS

- | | |
|--|--|
| • ELVINA CASSANDRA YUMBOD (160758 – MIQ) | • KONG CHEE SUN (070562 – MIQ) |
| • FITZPATRICK REYES (160753 – TMIQ) | • LIAN SI JIE (190800 – ASSOCIATE) |
| • FONG KEE WEE (130701 – ASSOCIATE) | • NIK NURUL 'ATTQAH MOHD GHAZI (180787 – TMIQ) |
| • FOO YU KEONG (160756 – TMIQ) | • OH TEIK SOO (180781 – FIQ) |
| • GAYATHRI INDRAN (160752 – MIQ) | • PANG CHIANG KUAN (930173 – ASSOCIATE) |
| • GOH CHII BING (950275 – FIQ) | • PRAKASH TEOH (110648 – MIQ) |
| • HUANG JEN SOONG (900048 – FIQ) | • TEO CHEW NGUAN, MARTIN (110625 – MIQ) |
| • JEOW LI LI (090595 – MIQ) | • TEY KIM CHAW (930184 – MIQ) |
| • KOK TZY KEAT (080582 – MIQ) | • ZAINUDDIN DATUK YAHYA (960309 – FIQ) |

QUARRIES AND QUARRYING

WORLD CLASS QUARRYING



These handy reference books are appropriately useful as a guide and catalyst to the government, equipment manufacturers, the industry and the academia for further enhancement of the quarrying industry to World Class status.

The cost of this publication is RM150 for IQM members and RM200 for non-members. Additional RM10 per book for postage within Peninsular Malaysia.

To purchase a copy, please fill in the order form below and send it to us with your payment.

ORDER FORM

I.....enclose my Cheque / Bank Draft / Money Order No.....

for RM..... being purchase of :

☐ **QUARRIES & QUARRYING** (no of copies)

☐ **WORLD CLASS QUARRYING** (no of copies)

Payable to "Institute of Quarrying Malaysia Bhd" (Maybank 0141 8720 8342)

Kindly mail book to : _____

For further information kindly contact Madam Nirmala Devi at

INSTITUTE OF QUARRYING MALAYSIA

No. 23, Jalan Utama 1/7, Taman Perindustrian Puchong Utama (Puchong Perdana), Seksyen 1,
47100 Puchong, Selangor DE, Malaysia. Tel: 03-8062 4194/5 Fax: 03-8061 8258
Website: www.iqm.com.my E-mail: nirmala@iqm.com.my

TO ALL RECIPIENTS OF QMC & QMPC

CONTINUING PROFESSIONAL DEVELOPMENT

The Institute is here to recognise and promote the professionalism of people working within the quarrying industry. Professionalism is created through a combination of work experience and qualifications. Continuing Professional Development (CPD) is the process of continual improvement and personal development that documents your career.

We believe that undertaking CPD is a way of ensuring that the qualifications that you have earned are kept up to date.

With effect from 2020, all QMC & QMPC holders of the Institute have a mandatory 20 hours of CPD required, to maintain your certification and should be an active member of IQM. Attached is the CPD Record Form with examples of activities that qualify for CPD hours.

Members will be required to complete the Form and submit with relevant proof of attendance. If you are not a member of IQM yet, you can download the membership form from our website www.iqm.com.my, complete the form and submit together with payment.

For further enquires on the above, kindly contact **Madam Nirmala Devi** at :

Tel : 03-8062 4194 / 5 Fax : 03-8061 8258 email : nirmala@iqm.com.my

IQM COUNCIL 2021/2022

Mr Chen Nyet Lin
Hj Nurul Huda bin Romli
En Mohammad Faiz Bin Zainuddin
Ir Norhamidi Md Din
Mr Pang Kang Ngen
Mr Lee Wen Han, Vincent
Mr Tang @ Tan Hai Hong
Mr Baljeet Singh Kernail Singh
Mr Toh Kar Wai

President
Deputy President
Hon. Secretary
Hon. Treasurer
Council Member
Council Member
Council Member
Council Member
Council Member

SUMMARY OF CONTINUING PROFESSIONAL DEVELOPMENT (CPD) RECORD

Name :

Membership No: Year:

CPD Requirements: 20 hours per year

	Category	Date	CPD Activity / Topic CPD Provider	Allowable hours	Total hours
1	Related Training Activities			No Limit	
2	Informal Learning • On job learning			Maximum 10 hours per year	
3	Conference and Technical Talk			No Limit	
4	Presentation and Papers			Maximum 15 hours per year	
5	Services in Related Activities			Maximum 15 hours per year	
6	Informal Learning • Private study			Maximum 5 hours per year	
			TOTAL		

Sign:

Date:



IQM CONEX 2022

EDTQ 2022

***ERA OF DIGITAL TECHNOLOGY IN
QUARRYING - THE WAY FORWARD***

18 - 19 OCTOBER 2022

**Palm Garden Hotel,
IOI Resort Putrajaya**

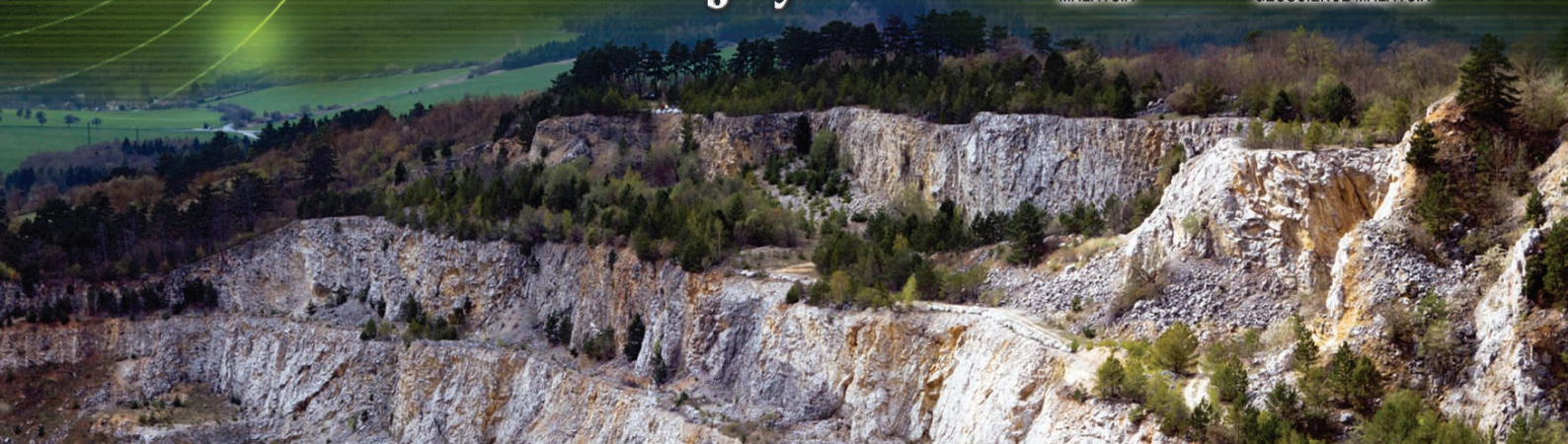
Organised By



Supported By



DEPARTMENT OF MINERAL &
GEOSCIENCE MALAYSIA





IQM CONEX 2022

EDTQ 2022

ERA OF DIGITAL TECHNOLOGY IN QUARRYING - THE WAY FORWARD

Creating a completely digital quarry is fast becoming a reality and this plays a pivotal role in the development of this next generation of technology and is slowly being embraced now by the quarry operators large and small. Digitalization in quarrying refers to the use of computerized or digital devices or systems and digitized data that are to reduce cost, improve business productivity and transform quarry practices. The quarrying sector needs to acquire the latest knowledge on state-of-the-art technology to stay competitive whilst maintaining the growth momentum of this important industrial sector for a sustainable tomorrow.

The theme for this year's relevant high-impact quarrying conference and exhibition is 'ERA OF DIGITAL TECHNOLOGY IN QUARRYING – THE WAY FORWARD (EDTG 2022)'. Based on the outstanding track record and high response of the private and public sectors for past IQM Conferences, this year's **EDTQ 2022 Quarrying Conference and Exhibition** is definitely going to advance the quarrying industry to another level of world-class excellence through digital technology. Economic growth policies and innovative technology in the quarrying sector worldwide encompasses all the latest economic growth models, leading edge technology, industry guidelines, unique work practices and systems to propel this invigorating industrial sector towards greater global economic growth.

With so many digital technology foresight topics for presentation at **EDTQ 2022**, this high-status event is definitely the de-facto quarrying conference for all directly and indirectly contributing towards the successful progress of this prestigious industrial sector. The objective of **EDTQ 2022** is to allow the regional governments and various international industrial captains a high-profile platform to present various concepts and success stories to enhance the quarrying industry; complemented by also the avenue for networking at the local, regional and international level - a 'win-win' scenario for all in the public and private sector.

CALL FOR PAPERS

Prospective authors are invited to submit abstracts of not more than 150 words to the IQM secretariat by fax or email before 30 June 2022. The scope of papers submitted should be related to the conference theme.

INDOOR EXHIBITION & SPONSORSHIP

Circulars will be mailed out soon with full details on Exhibition Lots and Sponsorship. Kindly contact the IQM Secretariat, Madam Nirmala Devi if you wish to enquire further.

For more information, please contact the IQM Secretariat:

INSTITUTE OF QUARRYING MALAYSIA BHD

Tel: 03-8062 4194/5 Fax: 03-8061 8258

Website: www.iqm.com.my Email: admin@iqm.com.my





Tarmac's Tunstead plant

Net zero: five policy steps to drive decarbonization

By Chris Leese, director, MPA UK Concrete

Delivering net zero will require bold leadership from governments and industry around the world. Following the UN COP26 Summit there is an excellent opportunity for the UK Government to put in place new domestic measures to support energy-intensive manufacturing industries, which can help to accelerate decarbonization and create UK net zero jobs.

The UK concrete and cement industry is committed to working in close collaboration with the Government to build a shared understanding and pathway to net zero. Policy, financial, and infrastructure enablers must be co-ordinated to support the sector's decarbonization and to manage the transition.

MPA UK Concrete has set out a series of recommendations in 'Decarbonising UK Concrete and Cement', a proposed package of government domestic policy recommendations to help the UK concrete and cement industry drive further decarbonization and support the UK's pathway to net zero.

We have made five recommendations to the UK Government which we believe are vital to maintaining our industry's early action, which has seen it reduce absolute CO₂ emissions by 53% since 1990 – decarbonizing faster than the UK economy as a whole.

First, we are calling for new domestic measures to help eliminate the threat of carbon leakage and protect UK manufacturing jobs in our industry. Carbon leakage is created by the UK consuming imported goods that offshore CO₂ and move responsibility for emissions abroad, with cement production pushed outside the UK and the loss of manufacturing jobs.

The threat of carbon leakage is real as there is currently a significant shortcoming in UK net zero legislation because emissions targets can be met, or partially met, by buying more imported goods in place of domestic production.

The reality is that the UK is increasingly 'offshoring' its environmental responsibility.

The Office for National Statistics has highlighted the divergent trend between the UK's territorial emissions and consumption-based emissions, including the net import of goods.

Linked to this, we are recommending that the UK must adopt new carbon accounting measures to take full responsibility for its emissions.

This is about the UK providing an honest account of its progress to net zero by taking into account the emissions from imports consumed. Imported construction materials such as timber are currently not considered by UK carbon accounting, and this simply moves emission responsibility to other countries. It undermines the UK's commitment to tackle climate change and the credibility of domestic action in the fight against climate change.

To tackle this, we are recommending that the UK sets a national net zero goal on consumption emissions, in addition to current targets for territorial emissions, to ensure net

zero is not achieved or partially met by closing UK manufacturing and importing goods instead.

Next, we need the Government to provide sector-specific funding for UK energy-intensive industries to accelerate net zero innovation.

Of the UK's energy-intensive industries, only the steel sector currently has earmarked sector-specific funding for decarbonization. There is, therefore, a need to introduce equivalent funding for other hard-to-abate sectors such as cement production, which should be proportionate to the scale and complexity of decarbonization.

The Government's Industrial Decarbonisation Strategy recognized the importance of decarbonizing dispersed cement plants that are not geographically located in an industrial cluster. Equality of access to transport and storage infrastructure will be key to all sites, whether they are dispersed or operating in a cluster. The aim should be to develop local plans for each key industry to ensure the necessary infrastructure is in place to tackle cross-chain risk for carbon capture and storage investment.

The fourth call for action relates to construction and the importance of whole-life measurement of carbon. There is greater scope for the construction industry to measure embodied carbon over the whole life of the building or asset's life and assess the carbon impacts of new construction through a whole lifecycle assessment.

Whole-life analysis measures carbon impacts over the lifetime of a building or asset. This includes extraction of raw materials,



Miriam Joyce, graduate trainee manager with Hanson UK, overseeing world-first MPA fuel-switching trials at Ribblesdale cement works, Lancashire

product miles, and construction, through to maintenance, repair, reuse, and recyclability following demolition.

An exclusive focus on upfront embodied carbon fails to consider carbon over an asset's

lifecycle. It does not give enough consideration to the relationship between embodied carbon and measures to reduce energy use. A holistic environmental approach is also required, to consider impacts of improved social outcomes such as fire protection, occupant safety and comfort, resilience to water escape, and flooding.

The final point is about the role of the Government to use its procurement powers to drive the adoption of new low-carbon technologies to help build back better.

Lower-carbon cements and concretes are already being manufactured and readily available across the UK but there is a need to drive greater industry uptake. The Government and its agencies have an important opportunity to specify these materials for projects and set an example. By using its buying power, the Government can drive the speed of transition and help promote locally produced construction materials and support local economies.

Our industry is continuing to take action. The task of deeper decarbonization gets harder and more complex as we progress. The scale of investment increases and with it the exposure to international competition, requiring government intervention to safeguard UK jobs and UK-generated economic value added. New domestic policies are needed to create and retain green manufacturing jobs in our industry.

For more information on 'Decarbonising UK Concrete and Cement', visit: www.thisisukconcrete.co.uk **QM**

Research and development in lower-carbon concrete cements, which are being adopted and used increasingly across the built environment, is one of seven key technology levers in the UK concrete and cement industry's roadmap to beyond net zero

