

This Newsletter is published quarterly by the Chartered Institution of Highways & Transportation - Qatar Group.

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Contact us via the following channels:



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www.ciht.org.uk/Qatar



@CIHTQatar



CIHT Qatar Group

Welcome and Introduction

Dear CIHT members,

In this second issue of the newsletter, you will find information of the **events** and **site visits** we held in the last few months, **'meet'** Paul A Fenton, **be informed** of Qatar Regional news and see who our **sponsors** are.

It is indeed a great opportunity for all professionals in Qatar to see the on-going projects related to roads, tunnels, drainage, bridges, logistic parks, metro, trams, stadiums and other commercial and residential projects. These projects are not just infrastructure required for the 2022 FIFA World Cup but are also in line with Qatar National Vision 2030.

CIHT Qatar Group organises **technical**, **membership** and **social events** to maintain and enrich the **working knowledge** of highways and transportation professionals in **Qatar**.

We would like to thank all those who support us either through sponsorship or through knowledge sharing.



Photo from "Road to 2022 tour" event at the Headquarters of Supreme Committee for Delivery and Legacy (read more on page 2)

Past Events January-March 2019

Month	Event	Speaker(s) / Organisation
January	Mesaimeer Pumping Station and Outfall Project - Site Visit	Mott MacDonald
February	Implementing Lean Construction in Ashghal - Seminar	Don Ward, Constructing Excellence & Jenefer Alam, Parsons Brinckerhoff
February	Lusail Project - Site Visit	Saudi Binladin Group Consortium and Parsons International
March	Road to 2022 tour – Pavilion tour	Supreme Committee for Delivery and Legacy
March	Pavement structural design and traffic data in Qatar - Seminar	Dr. Mohammad Sadeq & Ahmad Al-Tawalbeh, Seero Engineering Consulting

Upcoming Events

For all **upcoming events** and news, follow us on **Twitter**, **LinkedIn** or join our **email mailing list**. Remember that all CIHT professional events can qualify towards your **CPD**.

Attending events gives you the opportunity to improve your knowledge and skills whilst working towards your learning objectives.

If you have an interesting topic that you would like to present, let us know at: ciht.qatar@gmail.com

CIHT News

Are you a keen photographer?

CIHT's **annual photo competition** aims at capturing great local transportation landmarks in your region. The **deadline** for entering the competition is 17:00 (UK time) on **Friday 9 August 2019**. Find out more at:

<https://www.ciht.org.uk/events-listing/competitions/photo-competition/>

CIHT Awards 2019

The entries for the awards are now shortlisted. Check out the list at:

<https://www.ciht.org.uk/events-listing/featured-events/ciht-awards/shortlisted-entries/>

Don't miss out on opportunities to undertake **site visits** – become a member today!

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In case you missed it...

Site visit, January 2019

Mesaimeer Pumping Station and Outfall Project (MPSO)

Mott MacDonald the **Project Management Consultants** and the **HBK-PORR Joint Venture Contractor**, welcomed 20 members of the CIHT Qatar group to the **Public Works Authority Mesaimeer Pumping Station and Outfall Project**, located to the south of Hamad International Airport.

The total cost of the project is **QAR 920 million**, which includes construction of the **pumping station** comprising **10 pumps** and a **10-kilometer tunnel with auxiliary facilities**. The New Austrian Tunneling Method (**NATM**) is being used for tunneling works and the total capacity of the pump is **19.7 cubic meters per second**.

The CIHT Qatar group learned of the **main challenges** faced by the project during design and construction stages. The group also had an opportunity to learn about the **deep excavation, specific design considerations and environmental management**. The design team of Mott MacDonald showcased various issues related to the **overall design, construction and operation**, provided an overview of the project, discussed **health and safety** and presented on **marine, mechanical, electrical, structural and tunnel aspects** in more detail. The CIHT Qatar group then had a tour of the pumping station area to view the ongoing excavation works and tunnel boring activities.



Technical Seminar, February 2019

Implementing Lean Construction in Ashghal

Don Ward (Chief Executive-Constructing Excellence in Qatar) and **Jenefer Alam** (Associate Director, Parsons Brinkerhoff) were guest speakers on the technical seminar for Highways and Transportation professionals organised by CIHT.

Constructing Excellence in Qatar is a partnership of Ashghal with Constructing Excellence in the UK. The purpose of this partnership is to capture and share **best practices** and **innovation** for the improvement of Qatar construction sector in support of **Qatar's National Vision 2030**.

Don gave an introduction and highlighted the importance of identifying what works, sharing it widely in Qatar **to improve the performance and profile of construction**. He went on to explain **Ashghal's corporate strategy, current pipeline of projects and the new contractual Key Performance Indicators (KPI)**.

Jenefer gave a detailed insight into Ashghal's strategy for Lean Construction. She described how Ashghal is **progressing with Lean Construction plans**, and described Ashghal's construction **'Enhancement Journey'** from 2017 to the present day. Jenefer also gave an excellent introduction to Lean Construction, Tools, Techniques, Principles and Benefits.



The Road to 2022 Tour, March 2019

The **Supreme Committee for Delivery & Legacy (SCDL)** – the organisation responsible for delivering the infrastructure and host country planning and operations for the **FIFA World Cup Qatar 2022™**, welcomed CIHT Qatar to find out more about the latest progress being made towards Qatar's hosting of the tournament in just over three years' time.

A key part of the tour, which took place in an interactive exhibition space in the SCDL's headquarters, covered the **construction progress** and **planned utilisation of tournament transport infrastructure** including the Doha Metro, tram networks, public buses, expressways and Hamad International Airport. It was highlighted that much of the transport infrastructure that will be used during the FIFA World Cup™ was already planned prior to Qatar winning the right to host the tournament in 2010, in line with the **Qatar National Vision 2030** that was launched in 2008.

The stadiums are designed by some of the world's leading architects with some of the most ambitious yet practical venues ever conceived. The stadiums will be unique, and designed to reflect Qatar's rich culture and history.



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Meet a professional

Name: Paul A. Fenton

Job title: Specialist Road Safety & Traffic Planning Engineer

Company: Tengizchevroil - Future Growth Project - Wellhead Pressure Management Project & PAF Highways & Traffic Safety Ltd

Where are you based: 28 days at the Tengiz Oil & Gas Field, Kazakhstan and 28 days in Doha, Qatar

How do you commute to work: Big plane - small plane - walk. I get to site by using our internal bus and taxi service.

What is in your in-tray: Currently rolling out the implementation and execution of the opening of a new junction on the **oil field road network**. This includes planning for end of construction, preparing educational pack for project drivers, road safety audit, traffic management plan and final opening. This is part of a package of measures that are being implemented to **reduce journey times and improve road safety**. I am also implementing **staggered commute times** for the hundreds of bus movements to and from the residential camps to the construction projects and also a project wide strategy to **restrict movements of heavy duty and light goods vehicles** during peak commute times.

Best aspects of your job: I have an area the size of Paris in which I can utilise all my **road safety engineering and operational related disciplines** I have learnt and practiced over many years. This includes disciplines from my previous experience in **motor vehicle safety, incident investigation, fleet operations and enforcement**.



I enjoy sharing knowledge and providing advice to colleagues working in the **construction, infrastructure, logistics and motor vehicle safety departments**. We currently employ around **80% of Kazakh nationals** who are so very keen to learn and progress their careers through knowledge and hard work.

What is the most important transport issue today: As a road safety engineer one would expect me to say that reducing car crash injuries is top priority but that must be a given. Interaction with all transport modes exploring **global mobility cultures, perspectives, changing behaviors** and of course **new technologies and energy reduction**.

What have you learnt so far from your current job and from Qatar: We all need to embrace and operate a **safety culture** no matter who or what your role is within a project. **Good planning, communication, competence, compliance to standards, procedures** and an **acknowledgement of international best practice** is a must.

Ambition: To continue to practice in the field of road safety and carry on where I left off by promoting the **use of passively safe products** in Qatar and influencing designers to fully understand the role of the **road safety auditor** and how to implement and adopt the **safe system approach** into their designs. After that I will be at an age where I can hopefully enjoy my retirement with my lovely wife, family and good friends.

Paul has been a CIHT Qatar Group Committee Member since March 2017.

Qatar Regional News

Opening of Al Majid Road known as New Orbital Highway

In January 2019, the opening ceremony of Al Majid Road took place. It included the announcement of the completion of construction works of **4 new roads of 195 kilometer in length** including Mesaieed Road, Hamad Port Road, Al Wukair Road and Al Majid Road.

The construction works of Al Majid Road, previously known as New Orbital Highway, commenced in 2014 as part of the **Expressway Program Project** of Ashghal Public Works Authority (PWA) of Qatar. It is a vital **arterial road** at the core of the road network that flows from the south of Qatar to the north and east to serve **current and future urban communities** that line it. It also connects directly to **Hamad Port**, provides efficient access to **Ras Laffan, Al Ruwais Port** and **Hamad International Airport**.

Benefits of Al Majid Road:

- A vital land transport link for business, residential and recreational destinations
- Reduced journey time by up to 50% between Hamad Port, Al Khor and Lusail
- Serves more than 30 residential areas
- Facilitates access to FIFA World Cup Stadiums
- Intersects with major highways such as G-Ring road, Salwa Road, Dukhan Road, Al Shamal Road and Al Khor Expressway.



The 2 lanes of the truck route in each direction has been upgraded to a **7 lanes free-flow dual carriageway with 21 main interchanges including tunnels and flyovers**. Al Majid Road is designed to accommodate over 14,000 vehicles per hour in each direction.

Designed based on international standards, it is considered **one of the safest roads in Qatar**, separating on its full length light vehicles from HGVs by providing **2 dedicated truck lanes and 5 light vehicle lanes** which significantly contributes in reducing accident risks.

Reference:

<http://www.ashghal.gov.qa/en/MediaHub/News/Pages/H-E-the-Prime-Minister-inaugurates-Al-Majid-Road.aspx#.XLwNw6Pfa70>

Note: CIHT Qatar Group visited New Orbital Highway & Truck Route – Contract 2 site, facilitated by QDVC – Bin Omran Joint Venture in February 2017

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About CIHT Qatar & Membership

The CIHT Qatar Committee Members are all volunteers who meet once a month to discuss the Group's ongoing progress and to plan future events. Profiles of the committee members can be viewed on our Regional Web Page:.

<https://www.ciht.org.uk/about-us/international-groups/qatar/whos-who>

Chair.....Veronica Yu
Secretary.....Paul Storey
Treasurer.....Pedro Alves
Events CoordinatorUttam Bala
Assistant Events Coordinator
& Newsletter EditorPoly Papapanagiotou
Web/Communication Officer ...Sarah Jackson
Press Officer.....B. M. Kamal Hossain
Assistant Press OfficerKhalil Khan

Membership Development Officer.....Arshad Khan
Assistant Membership Development OfficerMelani Mistry
Committee Member.....Hydar Alrukabi
Committee Member.....Paul Fenton
Committee Member.....Kanagaraj Muthiah
Committee Member.....Pejman Dehdezi
Committee Member.....Paul Marmion

Whether you are just starting your career in Highways & Transportation or are an experienced professional, CIHT can help to support your professional development needs, by offering access to professional qualifications which recognise your knowledge and practical experience and improve your chances of progression in your chosen career.

Questions?

Contact us at: ciht.qatar@gmail.com

Did you know?

Hamad International Airport ranks 4th best airport in the World by SKYTRAX World Airport Awards 2019



Qatar's airport retains its top position as the **'Best Airport in the Middle East'** for the 5th consecutive year and 'Best Staff Service in the Middle East' for 4th consecutive year. The award recognises HIA's **innovative facilities, 5-star customer service, state-of-the-art terminal** and **operational excellence** which accommodates **more than 30 million passengers** annually.

Reference:

<https://dohahamadairport.com/media/hamad-international-airport-ranked-fourth-best-airport-world-skytrax-world-airport-awards-2019>

Going Electric

To encourage the use of electric and hybrid vehicles, Qatar General



Electricity and Water Corporation (**Kahramaa**) is planning to set up **400 electric car charging stations** by the end of 2022.

Reference:

<https://www.thepeninsulaqatar.com/article/17/01/2019/400-electric-car-charging-stations-by-2022-in-Qatar>

Our Sponsors and Awards

The Qatar Group is sponsored by the following organisations:

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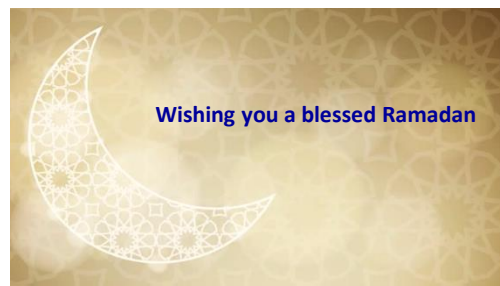
SEERO
Engineering Consulting

WSP

If you are interested in sponsoring us please contact ciht.qatar@gmail.com for details of sponsorship packages.



To show our appreciation to our sponsor of **5 continuous years**, our Chair, Veronica Yu, presented an award to **WSP** in March 2019 for their sponsorship between 2013-2018. **Mr. Imad Nassereddine**, WSP's Middle East Regional Director received the award.



CIHT Qatar's activities resumes after the summer break in September