

Hosting a free online virtual webinar PROGRAM

Tuesday March 22 2022, 10.00 CET

Thursday March 24 2022, 08.00 CET



Dr. Fathi Tarada, UK
Managing Director
Mosen Consulting

Presentation "Jet Fan Design with Fire Suppression"



Johnny Jessen, DK
Global Sales Tunnels
VID Fire-Kill

Presentation "A Recommended Way to Understand and Verify Full Scale Tunnel Fire Test Data for Real Tunnel Projects"

March 22 webinar: <https://bit.ly/3l5gP6D>

March 24 webinar: <https://bit.ly/3H29vax>

*VID Fire Kill and Mosen share practical knowledge to the tunnel industry***PROGRAM & TOPICS:****Tuesday 22 March 2022****10.00 Presentation of today's topics and presenters**

Moderator: Mr. Miguel Martinez (NL) Global Business Development Manager, VID Fire-Kill

- Brief introduction and presentation of the two companies and the presenters

10.10 Jet fan design with fire suppression (never previously published)

Presenter: Dr. Fathi Tarada (UK) CEO - Mosen Consulting. 25 – 30 minutes

- How to calculate and optimize longitudinal tunnel ventilation with jet fans, benefitting from 3D CFD and test results to achieve dramatic reductions in fan numbers and power consumption.

10.40 A recommended way how to verify full scale tunnel fire test data for real tunnel projects

Presenter: Mr. Johnny Jessen (DK) – Infrastructure Sales Manager – VID Fire Kill. 25 – 30 minutes

- Understanding the mitigating capabilities and methods of different water-based fire suppression technologies.
- A recommended way how to verify full scale tunnel fire test data for real tunnel projects.
- Examples of misinterpretation of fire test data in tunnel projects and their effect.

11.10 Question/Answer session

- After the two presentations, there will be a Q/A session, where listeners can ask questions. You will be able to post questions via go-to webinar chatroom in real time during or after the presentations.

11.30 Webinar ends

PROGRAM & TOPICS:**Thursday 24 March 2022****08.00 Presentation of today's topics and presenters**

Moderator: Mr. Miguel Martinez (NL) - Global Business Development Manager ,VID Fire-Kill.

- Brief introduction and presentation of the two companies and presenters

08.10 Jet fan design with fire suppression (never previously published)

Presenter: Dr. Fathi Tarada (UK) CEO - Mosen Consulting. 25 – 30 minutes

- How to calculate and optimize longitudinal tunnel ventilation with jet fans, benefitting from 3D CFD and test results to achieve dramatic reductions in fan numbers and power consumption.

08.40 A recommended way how to verify tunnel fire test data for real tunnel projects

Presenter: Mr. Johnny Jessen (DK) – Infrastructure Sales Manager – VID Fire-Kill. 25 – 30 minutes

- Understand the mitigating capabilities and methods of different water-based fire suppression technologies
- A recommended way how to verify full scale tunnel fire test data for real tunnel projects
- Examples of misinterpretation of tunnel fire test data in tunnel projects and their effect.

09.10 Question/Answer session

- After the two presentations, there will be a Q/A session, where listeners can ask questions. You will be able to post a question via go-to webinar chatroom in real time during or after the presentations.

09.30 Webinar ends

Presentation of the speakers

Dr. Fathi Tarada (UK)

BSc DPhil MBA LLB CEng FIMechE FIFireE FICE



The founder and managing director of Mosen Ltd. Fathi is a recognized leading expert in fire safety engineering, tunnel ventilation and Computational Fluid Dynamics. He is the inventor of the MoJet® tunnel ventilation. He was the project director for the mechanical and electrical design in the New Tyne Crossing. Undertook and created the first specification for the first fire suppression system within a road tunnel in the UK. Fathi has acted as a technical adviser to the Land Transport Authority of Singapore.

- *UK Representative in the World Road Association (PIARC) Technical Committee on Road Tunnel Operations,*
- *Chairman of the Annual Conference on Innovation in Tunnels*
- *Member of the CENELEC working group writing a new tunnel atmosphere monitoring standard.*

Mr. Johnny Jessen (Denmark)

Global Tunnel Sales Manager



Johnny is an expert in passive & active tunnel fire safety. Johnny has been leading several large fire safety projects. Since 2017, Johnny has been managing Infrastructure & Tunnel Sales at VID Fire-Kill.

Johnny is an expert in passive & active tunnel fire safety, Johnny have been leading several large fire protection projects for road tunnels & metros globally.

Mr. Miguel Martinez (Holland)

Global Business Development Manager



Miguel has more than 20 years of experience in the fire protection industry. Miguel coordinates the vertical integration of the different business areas of VID Fire-Kill.