

Short course

Hydrogen Safety: Practical Introduction and Real-World Applications

Dates: 15-19 September 2025

Duration: five days

Location: Cranfield Campus

Cost: £1750

	Monday	Tuesday	Wednesday	Thursday	Friday
9-10	Introduction AV & TIJ	Applied explosion protection techniques AV	Safety layers (technical variabilities) AV	Hydrogen production theory and HyPER facility visit UW	Computational modelling and CFD demo TIJ
10-11	Hydrogen fundamentals and material challenges				
11-12	FF				Safety solutions by R.STAHL MW
12-13	Lunch break				
13-14	Hydrogen sensing JaH	H2 ICE risks Toyota refuelling AC	Hydrogen, aviation, and Cranfield Aerospace Solutions AR, JoH, JM	Hazardous area classification AV	H2 Combustion safety and lab visit BS
14-15	The legal environment of explosion protection				
15-16	AV	Refuelling session evaluation AV	Hydrogen aircraft visit JoH & JM		

Delivery team for September

- AC – Aaron Costall
- AR – Andrew Rolt
- AV – Árpád Veress (www.exprofessional.com / www.ind-ex.ae, ATEX and IECEx auditor)
- BS – Bobby Sethi
- FF – Francesco Fanicchia
- JaH – Jane Hodgkinson in collaboration with Crowcon
- JoH – Johannes Hien (Cranfield Aerospace Solutions)
- JM – Jean Machado (Cranfield Aerospace Solutions)
- MW – Matthew Withington (R.STAHL)
- PH – Paul Holborn
- TIJ – Tamás Józsa and other members of the [Centre for Computational Engineering Sciences](http://www.cranfield.ac.uk/centres-centres-for-research)
- UW – Upul Wijayantha