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UK & IRELAND

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Case Study: Formula 1 Racing Teams

Project

Formula 1 Racing Teams

Challenges

Formula 1 racing
Rapid Response
fire suppression.

Client Comment

"F1 is one of the most technically demanding sports, where an advantage of only 1/1000th of a second can make all the difference."

Peter Blandon Technical and
Quality Manager FirePro UK

Why FirePro?

The UK is home to many Formula One racing teams, even if they are registered or licensed in another country, their main research or manufacturing facilities are based in the UK. Secrecy is of paramount importance, so we are duty bound not to give specific information away here, but we can confidently state that FirePro is successful in being part of the story.



F1 cars are one of the most technologically advanced cars of them all. The cost of a single car is estimated to be in the order of £12M. The steering wheel alone is estimated to cost in the region of £65,000 to £100,000. Research and development therefore knows no bounds, from engine test cells, custom build rigs to simulators, to mention just a few. This next generation high-tech engineering takes protection of life and assets from fire most seriously as safety is paramount.

Races take place all over the world, (21 races over 5 continents in 2019), and it is enjoyed by a globally cumulative TV audience of over 1.9 billion people. The top speed of an F1 car has been recorded at 215 mph or 346 kph, all from a 1.6 litre V6 turbo charged engine that harvests waste energy from the exhaust and brakes to produce over 900 bhp. Cars may accelerate from 0 to 100 mph then stop again in less than 4 seconds, meaning brake disc temperature can reach in excess of 1,000°C.

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Not all fire suppression systems offer the same benefits, but FirePro's modular construction and ease of design make it suitable for numerous types of applications to protect against different classes of fire in the motor racing industry which is why certain F1 racing teams chose FirePro.

Where high temperatures may be present, or should liquid fuel ignite, FirePro serves as the fire suppression agent to rapidly respond to either automatic fire detection signalling or manual release intervention.

FirePro has successfully passed rigorous testing, including ATEX certification, all by accredited test laboratories globally.

To see relevant certification for the FirePro products, **click here.**

If you would like to learn more about FirePro, or contact the system installer for this project, please visit us at **www.fireprouk.com** – see contact details below.



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