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EPSC Webinar

Thursday 7th December 2023
15:00 – 16:00 (CET)
14:00 – 15:00 (GMT)

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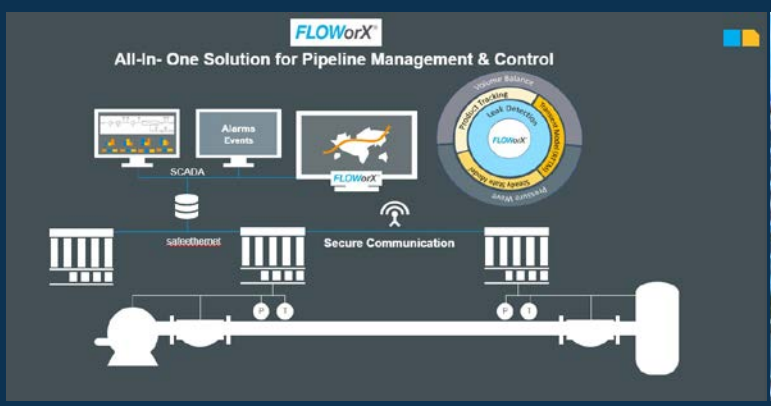
Ignition of hydrogen releases. What can we do to prevent it from happening?

Hydrogen is currently enjoying unprecedented political and business momentum as a viable, low-carbon energy source for industrial and transportation uses. However, when using hydrogen in large amounts and not only in industry but also in more domestic settings safety shall be given thorough attention. Prevention of hydrogen being released is the first priority but as a last resort ignition of any released hydrogen shall be avoided. But is this possible at all?

Hydrogen cannot ignite spontaneously at atmospheric conditions and prevention of ignition is therefore possible in principle. The very low minimum ignition energy and short induction time makes avoidance of ignition however challenging but not impossible.

Aspects to be discussed in an interactive setting

- Hydrogen ignition properties
- Overview of available knowledge regarding ignition sources and their ability to ignite hydrogen-air mixtures
- Translation of current knowledge into measures to prevent ignition



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