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## Hazardous area update from Expo - September 2025

Welcome to this update from Expo Technologies - your hazardous area partner.

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## 1. Technical Update – Understanding Dilution in Purge & Pressurization Systems



Dilution, as defined in IEC60079-2, is the continuous flow of protective gas into a pressurized enclosure after purging. This flow ensure that any flammable substance released inside the enclosure is kept below explosive limits, preventing hazardous conditions.

It is especially useful of enclosures with internal sources of release, such as gas analysers.

Read more [here](#).

## 2. Featured Product – Ex Print

### Introducing Ex Print - Hazardous Area Label Printer



We are thrilled to unveil [Ex Print](#), the game-changing solution for safe and efficient label printing in hazardous industrial environments.

Developed in partnership with Zebra Technologies, Ex Print integrates the trusted reliability of the popular ZT111 4" thermal transfer printer with a certified Purge & Pressurization system tailored for safety and compliance in hazardous areas.

Whether you are printing bar codes or batch labels, Ex Print offers the peace of mind that comes with innovation designed for industrial safety.

[Ready to take your operations to next level?](#)

### 3. Automation Expo India Round Up



Expo Technologies, alongside our partner [Pushkaraj Enterprise](#), exhibited at Automation Expo India 2025 in Mumbai (11-14 August).

Visitors to our stand in Hall 6 saw live demonstrations of [Ex Print](#), [PressurEx](#), and [SmartPurge Z](#), sparking great conversations about safety and innovation in hazardous environments.

Thank you to everyone who visited us and to [Pushkaraj Enterprise](#) for their support in making the event a success.

#### 4. [Expo team's London to Paris Bike Ride](#)



In September, Team Expo cycled over 500 km from [London to Paris](#), taking on steep climbs, long days, and plenty of laughs along the way.

The challenge showcased our culture of resilience, teamwork, and giving back, while raising awareness for [Shooting Star Children's Hospices](#).

A huge thank you to everyone who supported the journey.

You can still view our journey and be part of this great cause [here](#).

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