



FIREGUARD
REDUCE THE RISK OF FIRE

Linde Case Study

Client Profile

- Company: Linde
- Location: Dublin & Cork, Ireland
- Industry: Sales, Service, Maintenance & Lease
- Staff: 34 Service Engineers

At a glance

Linde is one of the largest forklift Manufacturers in Europe with multiple sites, all presenting their own different risks. Ian Kelly, Service Manager contacted Fireguard to train the Service Engineer team in their Dublin & Cork Sales, Service, Maintenance & Lease department. Working with LPG forklifts, Lithium-Ion Battery operated forklifts and Diesel forklifts was a major risk factor. After conducting a live demonstration and training on how to prevent and control the risk of fire

Objectives



Linde recognised the importance of ensuring the safety of its service engineers who operate in various industrial settings. This case study focuses on implementing a comprehensive fire extinguisher training program for Linde's Service Engineers. The program aims to educate the engineers on the risks of fire and equip them with the knowledge and skills to effectively control forklift truck fires.



Awareness

Increase awareness of fire risks in industrial settings, particularly those associated with forklift trucks as well as being compliant to Health & Safety Act 2005.



Training Programme

Train the service engineers team on the proper & safe use of fire extinguishers and ways to prevent, identify and control potential fire risks, at site level.



Forklift Truck Fires

Provide guidelines on controlling and mitigating fire on the different types of forklift trucks.

Solutions

1

Risk Assessment

Conducted a thorough risk assessment to identify potential fire hazards in the environments where Linde service engineers operated. Special attention was given to areas with forklift truck activity, electrical equipment, and flammable materials.

2

Customised Training Material

Developed training materials tailored to Linde's equipment and specific work environments. Included information on common causes of forklift truck fires, such as electrical malfunctions, fuel leaks, and improper maintenance.

3

Fire Extinguisher Basics

Educated service engineers on the different types of fire extinguishers, their uses, and the PASS (Pull, Aim, Squeeze, Sweep) technique. Emphasised the importance of selecting the correct extinguisher for the type of fire.

4

Live Demonstration

Conducted practical, hands-on fire extinguisher training sessions, using controlled fire simulations to allow engineers to practice using extinguishers in a safe and supervised environment. Ensured that each engineer had the opportunity to operate various types of extinguishers.

5

Forklift Truck Fire Control

Provided specialised training on identifying the signs of forklift truck fires and implementing effective control measures which covered shutting down the vehicle, using fire extinguishers, and safely evacuating the area.



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Specific Actions Taken

- We fitted fire extinguishers to each service van
- Trained staff in use of fire extinguishers
- LPG forklifts risks
- Electrics forklift training
- Trained on DPF regeneration temperature 700 degrees
- The course was designed for their specific risks & requirements

Challenges



Because of the nature of the work Linde Service Engineers carry out, they faced different risks each day, as each site is different from waste plants to abrasive sites.

What they said



"The program's comprehensive curriculum, including live demonstrations, greatly enhanced our team's understanding of fire safety. The instructor's expertise and engaging teaching style contributed to an interactive and informative session, fostering practical skills and boosting confidence. The training materials were well-structured and serve as valuable resources for future reference. I believe the Fireguard program is a worthwhile investment for any organisation prioritising enhanced fire safety knowledge and skills for its employees."

Ian Kelly, Service Manager, Linde



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3 Weeks after...

Three weeks after the training there was a forklift fire on one of Linde's customers sites.

The engineer onsite had completed the training course. He extinguished fire with no damage to himself, staff or premises and there was minimum damage to the forklift which caught fire, and it was back in service the same day!



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