



# WHY EX ?



**EXPLOSION PROOF LIFTS:**

**INDUSTRY APPROVED EQUIPMENT**

**FOR USE IN HAZARDOUS ENVIRONMENTS**

## WHY EX?

***“Employee dies in paint facility when industrial lift not rated for hazardous environment ignites explosive gasses.” - California***

***“Battery Powered Industrial Lift operating around explosive gasses ignites mixture sending several to the hospital and \$3.2 million in damages.” - Texas***

According to the **NFPA**, U.S. fire departments respond to an estimated average of **10,500** structure fires in industrial and manufacturing properties each year. Every year dozens of people are killed and hundreds injured in fires and explosions and hundreds of millions of dollars are lost in damages to buildings and property. It is impossible to put a price on the loss of even a single human life or the economical and ecological impact of such accidents can have on a community, region or country.

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*The question  
isn't WHY EX?  
But rather  
WHY NOT?*  
|||||

We frequently hear people say things like ***“Why should I buy Explosion Proof? - we have never had an accident”*** or ***“I would like to buy Explosion Proof, but it costs more than standard equipment and it's not in our budget”***

It is a fact that **flammable gases, vapors** and **dust** are created and escape during the production, processing, transporting and storage of many materials. These flammable, gases, vapors and dust, can form an explosive atmosphere. If this atmosphere is ignited, an explosion can take place which may result in loss of life, injury, and damage to property, equipment and the environment.



There is a reason that Federal Government requires companies to use **Explosion Proof equipment** in **Hazardous Locations**.

The question isn't **WHY EX?** But rather **WHY NOT?**

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## YOUR SOLUTION

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**Man and Material Lift Engineering** is committed to saving lives, reducing financial risks and losses, and preventing damage to our ecology by providing equipment that can safely operate in and around hazardous environments that ordinary equipment cannot.

Our standard **Explosion Proof Equipment** is built and certified in accordance with **ANSI, NFPA, NEC** and **OSHA** requirements for Hazardous Duty Applications.

If a standard model doesn't meet your specific needs or application, MLE's professional staff of engineers can modify an existing design or build equipment from the ground up.

## HAZARDOUS LOCATIONS

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So what is a **Hazardous Location** and how is it defined?

A Hazardous Location is an area where a fire and/or explosion hazard may occur due to flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers. The area is classified in accordance with properties of the material responsible for the potential hazard and with the likelihood of the hazard actually being present.

Hazardous Locations are defined in terms of the physical properties of the materials, its similarity to other materials and the potential risk of exposure.



**Class:** Denotes physical characteristic of the materials.

**Division:** Classifies the likelihood of the presence of the hazardous condition.

**Group:** Categorizes the materials by relatively similar hazardous characteristics.

If you have or believe you may have a Hazardous Location and are uncertain or have questions regarding the type of equipment required, please **contact MLE** at **414-486-1760** for assistance.





# AIRCRAFT AND AEROSPACE

**Explosion Proof (EX)** aerial lifts and material handling equipment are used in commercial, recreational and military aircraft for prepping, painting, refueling and towing.

**EX lifts** for the aircraft and aerospace industry greatly increase the safety of various industrial processes in hazardous environments where explosive dusts and gases may be present.

**EX lifts** prevent and protect against property damage and the loss of life that have occurred from explosion hazards.



**EX lifts** keep the company operating safely, protect their future and bottom line.





## **GAS & PETROLEUM**

Off shore oil drilling rigs and storage facilities require explosion proof protection for material handling and maintenance.



## **PAINT & CHEMICAL**

Facilities maintenance, receiving, storing, manufacturing to warehousing, and shipping of potentially explosive materials often require Explosion Proof (EX) lifts and equipment.



## **MANUFACTURING & PROCESSING**

Facilities maintenance, receiving, storing, manufacturing to warehousing, shipping of grains, sugars and sawdust create potentially explosive environments where Explosion Proof (EX) lifts and equipment are required.



## **MINING & COAL**

Aerial lifts and equipment used in underground mines are heavily infiltrated by dust. Vehicles used in these operations, by regulation, require Explosion Proof protection.





# MLE



**Man & Material Lift Engineering** designs and manufactures Explosion Proof lifts for a variety of industries with diverse applications. No other U.S. manufacturer has the breadth of engineering resources devoted to aerial work platforms and mobile hydraulic equipment for use in hazardous environments.



**MLE** is the leader in engineering of various custom and innovative specialty market products including lifts for hazardous and clean room environments, electrically insulated and high capacity lifts, self-propelled machinery carts, and electric cranes. MLE provides advanced product testing, verification and certification.

***MLE's commitment to research and development, quality, reliability and customer satisfaction are the tenets from which we excel.***





**EX SCISSOR LIFTS**



**EX OMNI SCISSOR LIFTS**



**EX BOOM LIFTS**



**EX VERTICAL MAST LIFTS**



**EX MACHINERY CARTS**



**EX FORKLIFTS**



# **MLE**

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