



INTRINSICALLY SAFE BOOM LIFTS

The addition of intrinsically safe controls brings an exceptional degree of safety (Div 1/Zone1) to even the harshest environments without sacrificing diesel powered performance and longevity.

Intrinsic safe (IS) controls relies on purpose built electrical systems that designed so that it is unable to release sufficient energy, electrical or thermal, to cause an ignition of a flammable mixture.

While our UL 583 Type EX battery powered and DY Diesel powered hazardous environment lifts are designed to operate in large spaces which are predominately hazardous rated, the intrinsically safe controls are designed for work on well defined/localized explosion hazards typically out of doors. The reach of the boom lift allows the platform and boom to enter a hazardous environment while the base is outside of the hazard.

The high power devices located turret and the chassis are controlled by IS devices located in a weather proof enclosure located on the turret. These IS devices communicate with the controls located on the platform.

The diesel engine incorporates a spark arresting muffler standard, but MLE offers several additional options to increase the level safety on the diesel to fulfill your or your authority having jurisdiction specific requirements. Please note there are currently no technical solutions for allowing a mobile diesel engines in a Class 1 Div I Hazards.

STANDARD FEATURES

- **Intrinsically Safe Controls**
- **Models Available: 40 to 150ft Working Heights**

OPTIONAL EQUIPMENT

- **Increased Safety Diesel Protection System**
- **Fall Arrest**
- **Soft Touch Bump System**
- **Hostile Environment Package**
- **Intrinsically Safe Platform Work Lights**
- **Flashing Amber Beacon**