



# H S E

HEALTH SAFETY ENVIRONMENTAL



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## Brushless Electric Tools vs. Intrinsically Safe Tools



### Key Safety Reminder:

**Brushless electric tools and intrinsically safe tools are not interchangeable** and serve very different purposes in hazardous environments.

### Brushless Electric Tools: (Battery Operated drills, Impacts, Electric Grinders, etc...)

- Feature efficient, low-maintenance motors with no brushes.
- Reduce spark generation **compared to brushed tools**.
- **NOT designed** for use in explosive or flammable atmospheres.
- **Still pose ignition risks** due to heat, battery faults, or electrical arcs.

### Intrinsically Safe Tools: (Ex: Pneumatic tools – Saws, Impacts, etc...)

- Engineered specifically for use in **hazardous (Ex-rated) environments**.
- Limit electrical and thermal energy to prevent ignition of flammable gases, vapors, or dust.
- Must meet strict certification standards (e.g., ATEX, IECEx).

**Always verify the certification of any tool used in hazardous areas.** Using the wrong tool could lead to catastrophic consequences.

**Stay safe—use the right tool for the right environment.**

*Proper use of the GIS LIFE Processes helps to create a Fail-Safe Work Environment.*



SAFETY ALERT