

Electrical Safety Project- Lebanon Folding

Lebanon Folding
Reliability Department
Safety Department

Determining the need....

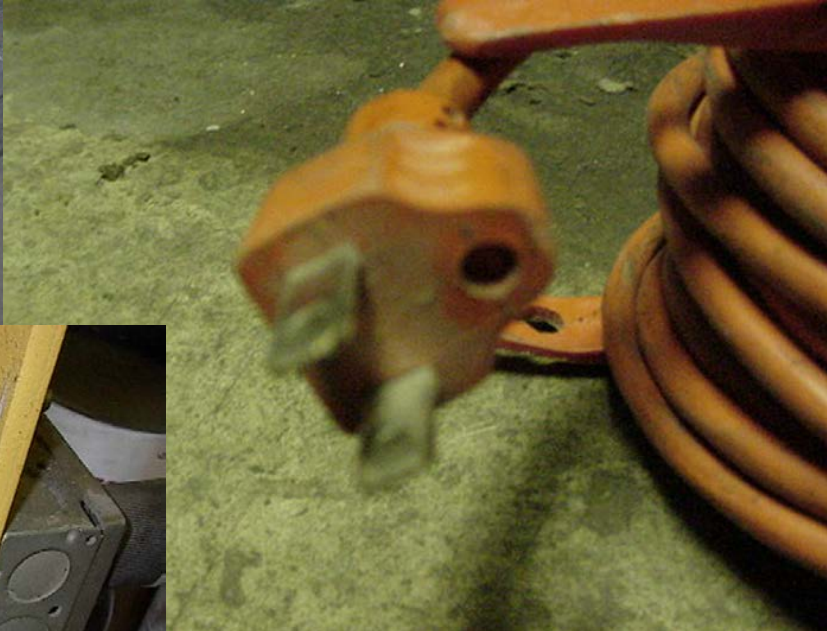
Lagging Indicators:

Electrical fires account for approximately 20% of industrial fires every year.

Common causes of electrical fires

- Overloading electrical circuits
- Overheating electrical equipment
- Short circuits
- Improper wiring
- Improper installation
- Insulation breakdown
- **COMPLACENCY**

Common Wiring Breakdowns:

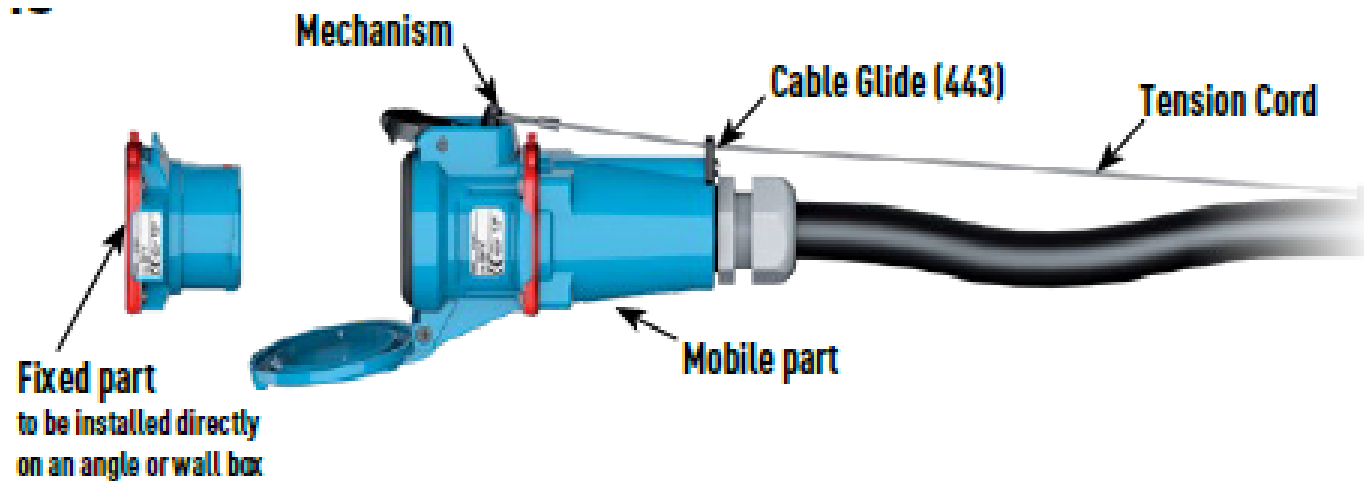


What happens when you become complacent with electricity?



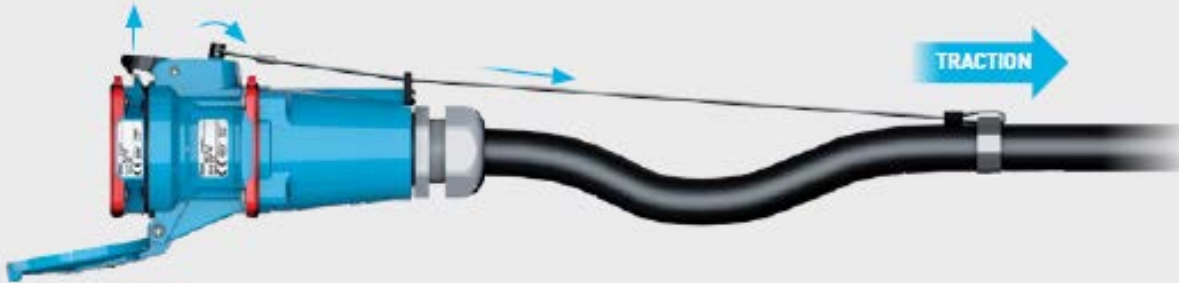
How do you engineer complacency out of non-process related electrical related tasks?

MELTRIC SELF-EJECTING DEVICE

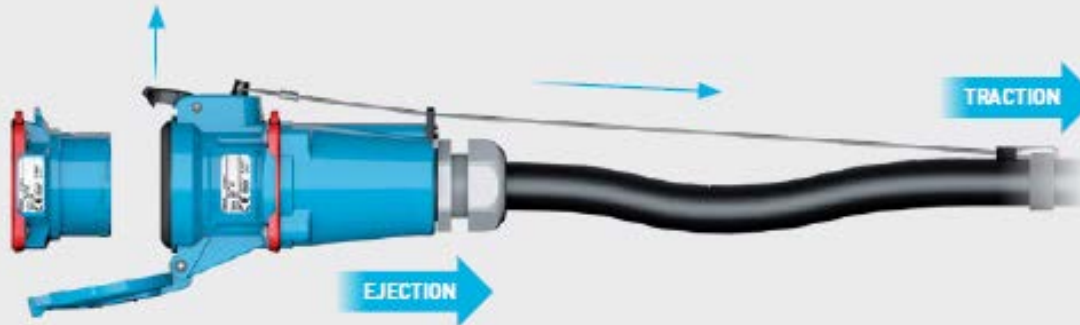




Step 1: A tension cord is attached to the power cable and the shark fin pawl of the plug. Self-ejection system at rest.



Step 2: Tension on the power cable will automatically lift the shark fin pawl via the tension cord.



Step 3: Once the shark fin pawl is lifted, the receptacle pulls away from the plug.

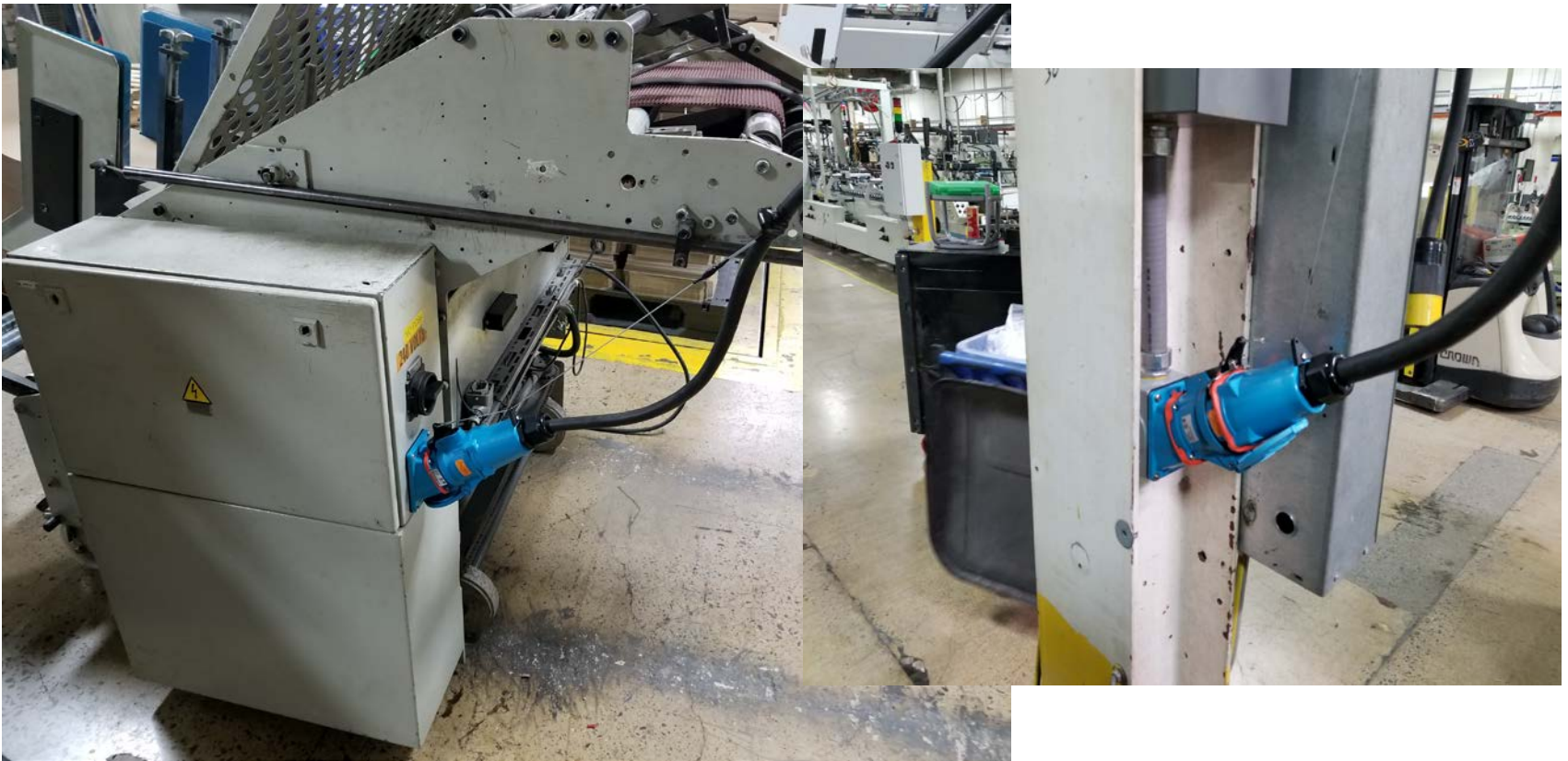
MELTRIC SELF-EJECTING PLUGS:

1. Originally designed for naval and aircraft use
2. Expanded to use for trucks and buses, powered industrial trucks, and welding equipment



Lebanon Folding Use?

1. Non-Process related equipment
2. Interchangeable equipment



Meltric Plug on Equipment



Meltric Plug on Source



Current State:

1. Reduced hazard of arc flash due to worn/frayed wiring of interchangeable and non-process support equipment at the points of energy exchange by 100%
2. Reduced strain relief on temporary wiring by 100%
3. Utilized resources in every area of the plant to implement the solution

Questions & Discussion