



PARATRASNET  
FACILITY ELECTRICAL PROTECTION

**ERICO<sup>®</sup>**





**ERICO®**

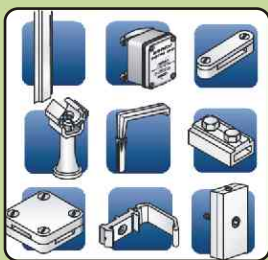
## PREZENTAREA PRODUSELOR

### LIGHTNING PROTECTION

**Point 1 - Capture the lightning strike**

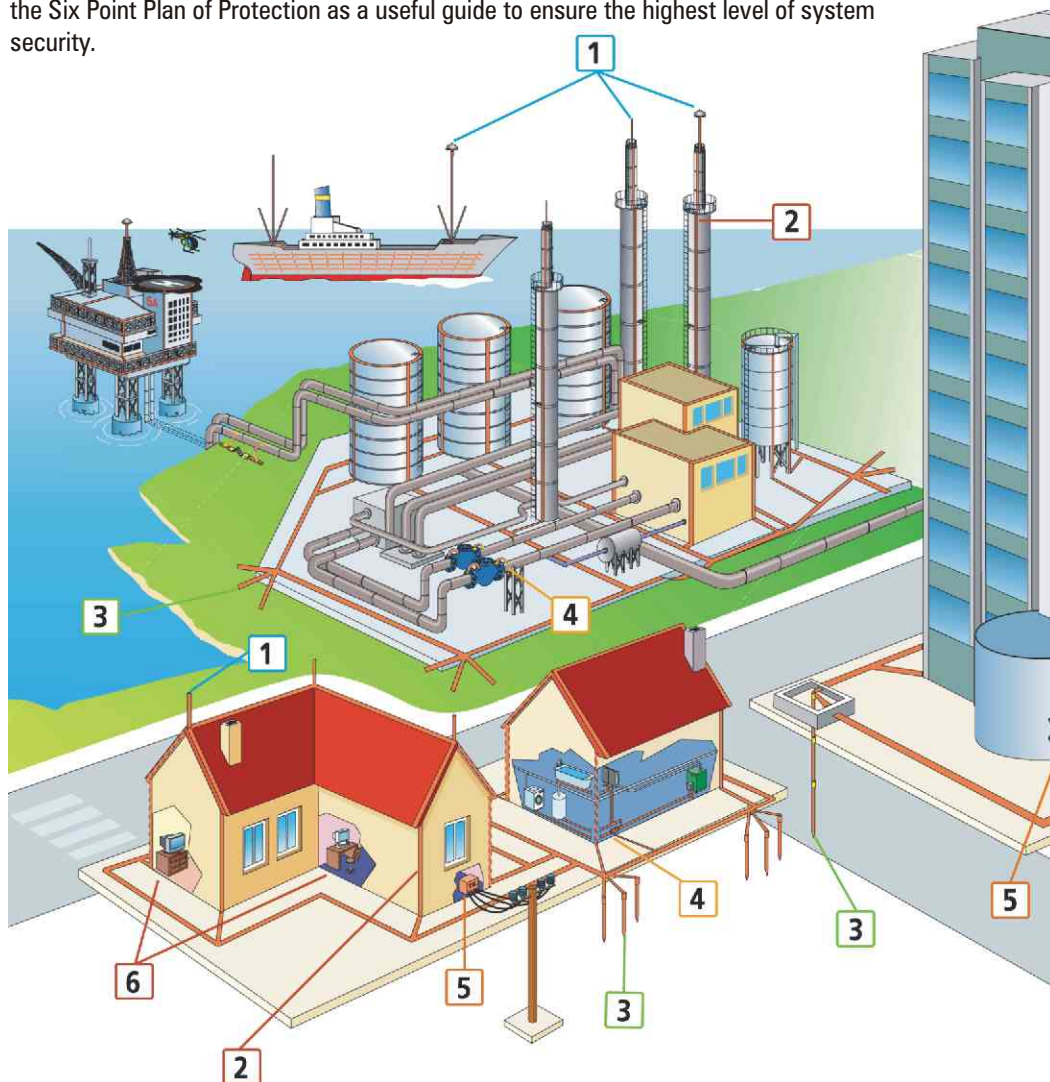


**Point 2 - Convey this energy to ground**



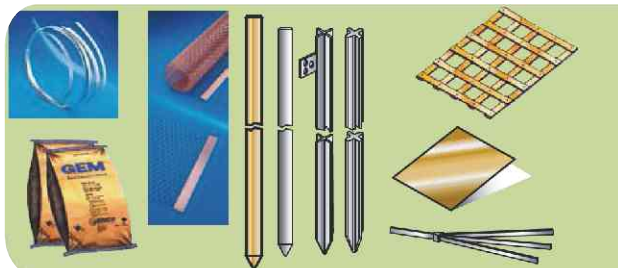
### ERICO® Six Point Plan of Protection

Effective lightning protection involves the integration of several concepts. ERICO® employs the Six Point Plan of Protection as a useful guide to ensure the highest level of system security.



### GROUNDING & BONDING

**Point 3 - Dissipate energy into the grounding system**



**Point 4 - Bond all ground points together**



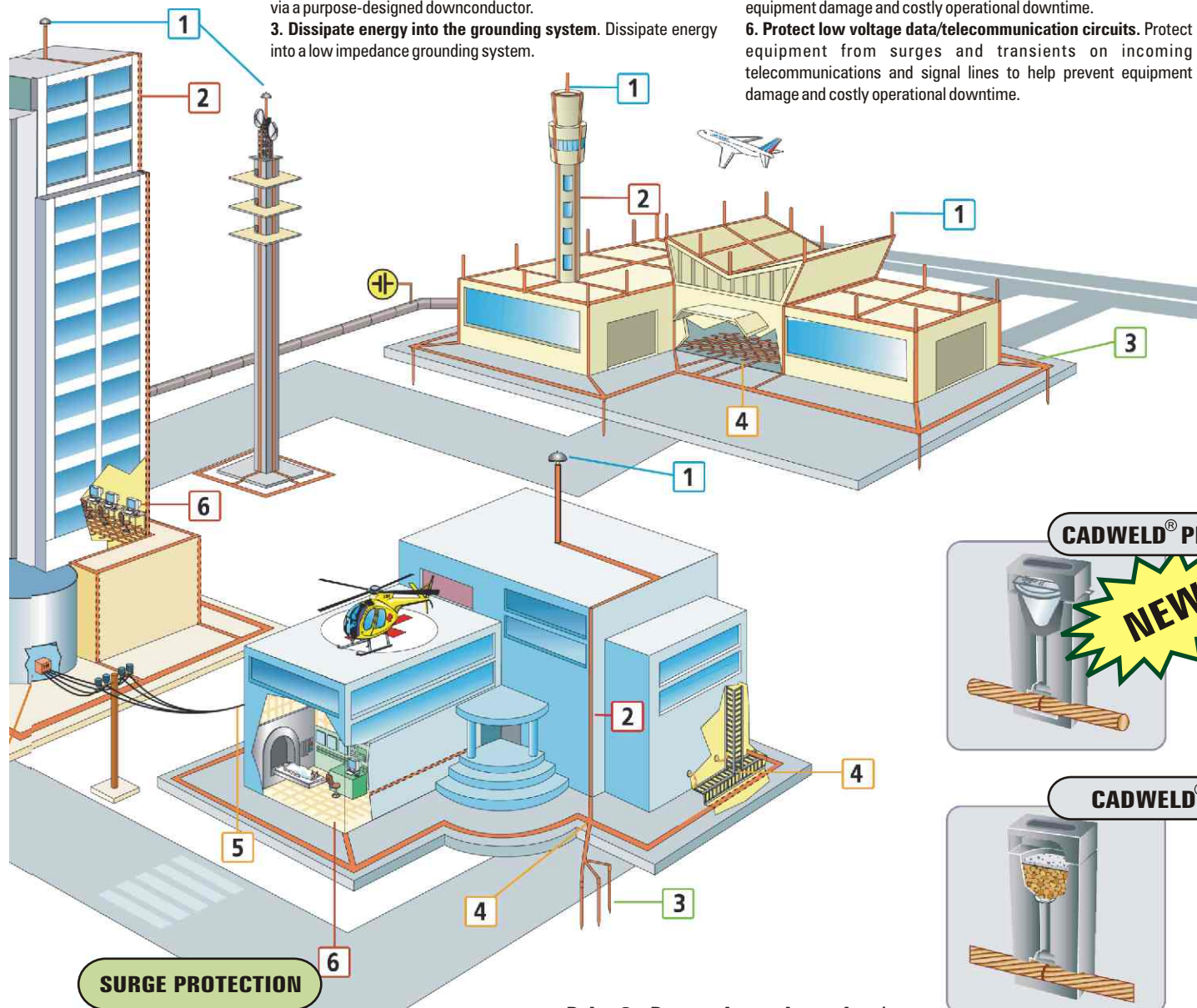
# PARATRASNET FACILITY ELECTRICAL PROTECTION

**ERICO®**



- 1. Capture the lightning strike.** Capture the lightning strike to a known and preferred attachment point using a purpose-designed air terminal system.
- 2. Convey this energy to ground.** Conduct the energy to the ground via a purpose-designed downconductor.
- 3. Dissipate energy into the grounding system.** Dissipate energy into a low impedance grounding system.

- 4. Bond all ground points together.** Bond all ground points to help eliminate ground loops and create an equipotential plane.
- 5. Protect incoming AC power feeders.** Protect equipment from surges and transients on incoming power lines to help prevent equipment damage and costly operational downtime.
- 6. Protect low voltage data/telecommunication circuits.** Protect equipment from surges and transients on incoming telecommunications and signal lines to help prevent equipment damage and costly operational downtime.



**SURGE PROTECTION**

**Point 5 - Protect incoming AC power feeders**

**Point 6 - Protect low voltage data/telecommunications circuits**

