

# Protecting the Telecom Infrastructure through Innovations

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**HARGER**<sup>®</sup>



# Innovations in Telecom

- State of the market today & beyond
- Theft deterrence solutions
- Point of Use deployment resources
- Solution mindset
- Core innovation thinking- Harger model

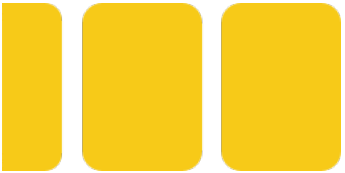
# State of the Market Today & Beyond

- Effects of Inflation
- Labor Force
- Government Restrictions
- Crime & Theft



# Innovation all Around Us

**There are a lot of new and innovative grounding & bonding products being developed for the Telecom market.**





# Product and Process Innovations

- Web Based Apps to assist in design and trouble shooting
- Exothermic QR code Labels
- Theft Deterrent Wire
- CPC Series of Pipe Clamps – Replaces 93 alternative SKUs
- UL Listed HammerHead solutions
- Supply chain efficiencies- minimized product inventory and delivery times



# Theft Deterrence Solutions

## Theft Deterrent Wire (TDW)

- Conductors are hard to cut using standard hand tools and also magnetic which deters thieves looking for copper.
- Applications include exposed Leads for Grounding systems used in electrical distribution (substations) and wireless cell sites where theft is an issue.
- Larger TDW conductors consist of combinations of tin-plated copper strands surrounded by galvanically compatible, tin-plated copper clad steel stranding.

# Theft Deterrence Solutions

## TDW3PLUS

- High conductivity, tinned copper / steel construction 19 strand theft deterrent wire makes theft of cable very difficult.

## TDW6

- High conductivity, tinned copper / steel construction 7 strand theft deterrent wire





# Theft Deterrence Solutions

## Theft Deterrent Cable Installation





# Point of Use Assistance @ Fingertips

Example- Innovative Exothermic Mold  
Tag features:

- Video QR Code
- Mold Part Number
- Conductor Information
- Weld Metal Size
- Handle Clamp Required
- Other Required Materials





# Solutions Mindset

In addition to cutting-edge manufacturing facilities and capable eager teams who are dedicated to resolving pain points, a solutions-minded manufacturer should:

- Welcome Challenges
- Offer Custom Applications
- Have Cost Savings Designs
- Add World Class Service



# Innovation at the Core

## Example of Core Values with focus on innovations:

**Integrity-** Do what is right when no one is watching.

**Innovation-** Value creativity in all areas while seeking out new possibilities and solutions.

**Excellence-** Continually pursue our maximum potential by redefining our goals and expectations.

**Stewardship-** Strive to create an environment that helps people reach their full potential.

**Passion-** Having an intense desire to successfully execute all other core values.



# Contact Information

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