

CELL PHONE TOWERS PRESENTATION

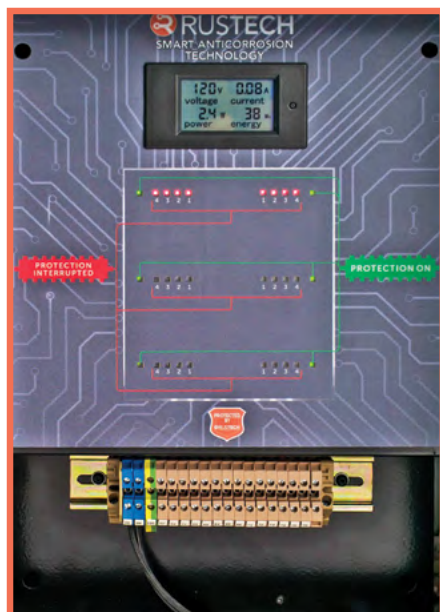


RUSTECH[®]
INTERNATIONAL
www.rustechinternational.com

SMART ANTICORROSION TECHNOLOGY



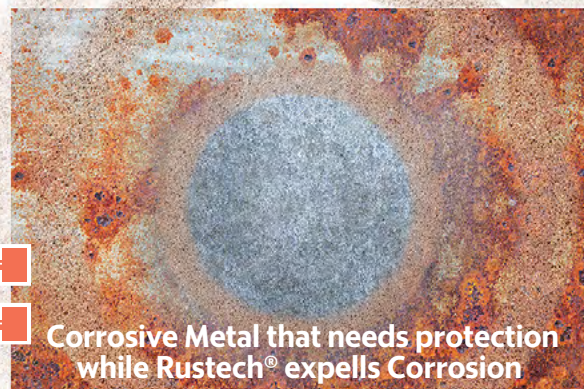
Pat. Pend. No: BR 10 2020 003503 0



Rustech® 'Configurable Current System' repelling Ions, becoming anode

A 'return' wire that communicates with our chip helps to constantly monitor electron delivery

Wires from Rustech® unit to metal with negative ions



Corrosive Metal that needs protection while Rustech® expells Corrosion

Rustech® Brief on Cell Tower Protection

Rustech® is the only intelligent anti-corrosion technology that does not require the use of anodes or sacrificial metals. Our technology sends the right flow of electrons through the metal to effectively protect both the inside and outside 24/7.

Rustech®'s protection factors in the weight and length of the unit to be protected and its placement (near the sea, desert, etc.) to customize each solution. Our Smart technology protects the metal from deteriorating, which becomes evident as a white powder or black resin covers the metal surface (manifestation of colors all depends on the alloy used in the metal). Compared to cathode protection, **Rustech®** consumes very little energy (measured in milliamperes) and requires practically no maintenance.

Our **Rustech®** modules have a unique "insulated circuit" that helps protect our components and circuitry ensuring longevity in the field and our panels can be easily powered by small solar panels if need be.

Based on the information provided:

Rustech® can protect this tower, using the New-Gen OSM 12/240V series panels.

Design:

Rustech® will design the installation and provide a diagram to properly attach the anchoring points to the tower (without drilling or puncturing the structure). The installation diagram will be provided upon approval to move forward.

Installation:

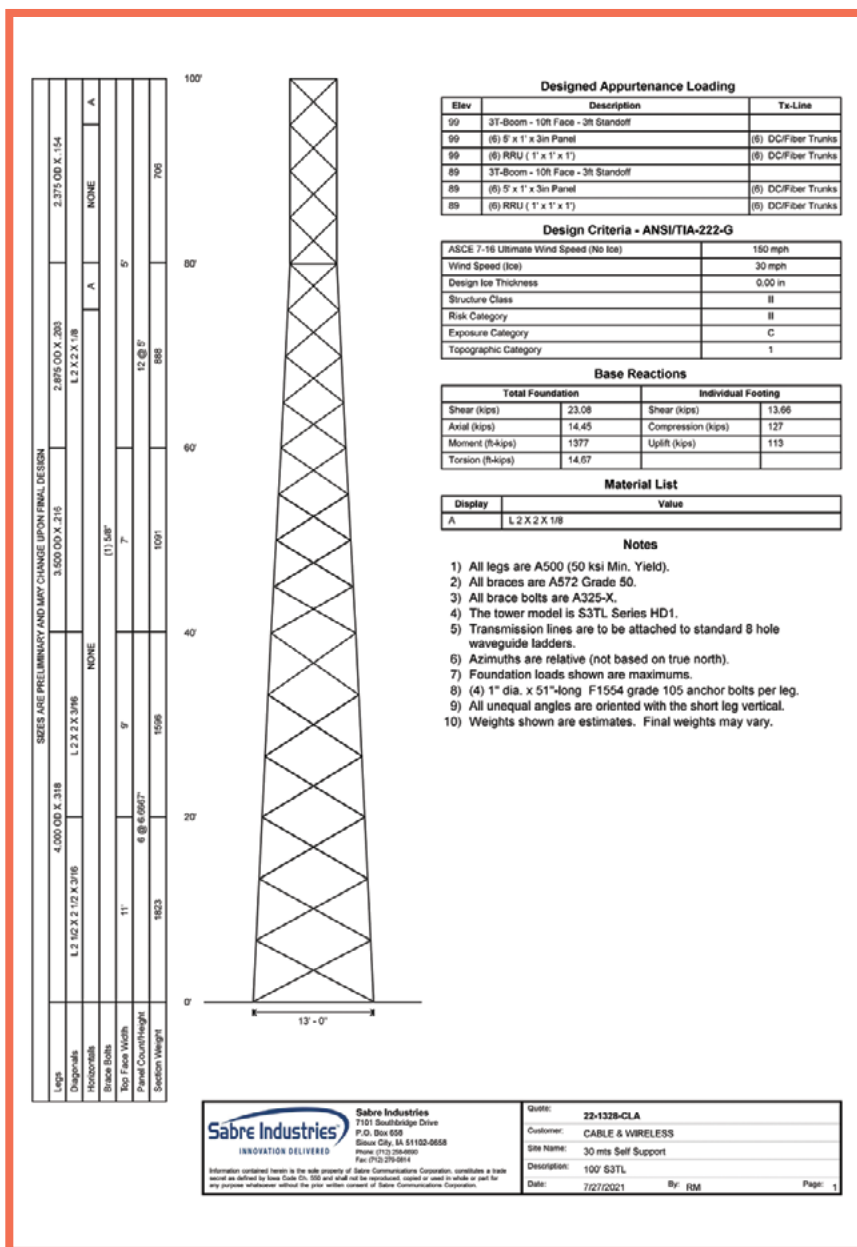
Rustech® is a hardware/software company and does not directly offer installation, but it can recommend certified Rustech® installers for cell towers, and can train personnel to properly setup the system. Rustech® can also be available to supervise the installations per request.

Warranty:

Rustech® provides a limited 5-year warranty on all its products. Our warranty is voided if the equipment is tampered with, it's not properly installed, or an act of nature, such as an unusual power surge or lighting, should strike the unit. Our units all come with an isolated circuit that adds protection while not transmitting or receiving any signal; the Rustech® units also have a surge protector. The metal will be stabilized by having Rustech® giving it many more years of usage.

New Gen OSM Rustech® Panels:

The unit will be specifically configured to the specifications provided by the client. A redundant connection of the modules will be set to assure a strong and effective electron deliver to the metal to be protected.



Rustech® Module Quick Specs

The **Rustech® New Gen OSM 12/240 V Series** is our latest smart anticorrosion module with onsite monitoring capability.

The New Gen OSM will protect any metal alloy against corrosion and rust from the moment that it is connected. Our technology works under water and under the most extreme weather conditions.

Rustech® is the only corrosion prevention solution that protects the surface and the interior, including all working metallic parts and connections of a given system. Easy and now monitored onsite, our **Rustech® New Gen OSM** consumes very little energy and it is practically maintenance-free.

Rustech® offers a 5-year limited guarantee with an available extension.

Dimensions: L 12" x W 9" x H 16"

Weight: 20 lbs

Specifications:

Low power consumption

INPUT VOLTAGE RANGE: 85 ~ 264VAC (120 ~ 373VDC)

INPUT VOLTAGE RANGE: 12 ~ 24 VDC

Isolated Circuit (Battery and Solar Power Optional)

MAXIMUM CONSUMPTION: 18 WATTS

MINIMUM CONSUMPTION: 4 WATTS

EFFICIENCY (Typ.): 88%

LEAKAGE CURRENT: <0.75mA / 240VAC

Over Voltage Protection

ISOLATION RESISTANCE: I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH

Configurable Printed Current System

Humidity Protection

Isolated Input/Output

Warranty:

The warranty is only applicable when the equipment is operated under normal operating conditions. Avoid direct water jets on the electric board or cleaning products.

Prevent moisture from entering the electric board that could damage its electronic components.

If you require support, consult the representative directly.

DO NOT MANIPULATE ELECTRONIC CARDS

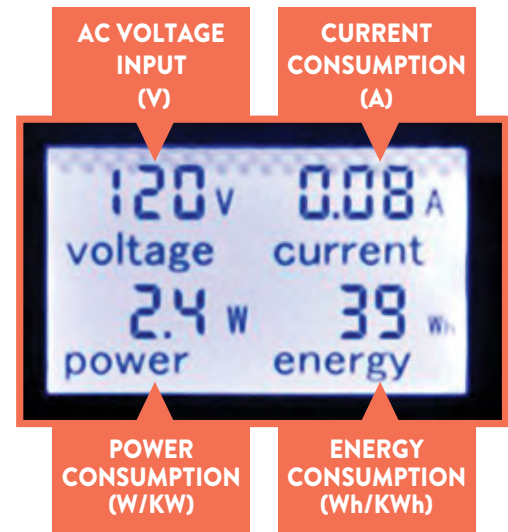
***Rustech®** reserves the right to change/ redesign the casing of the module to better accommodate the product assigned to protect.





**The Rustech®
New GEN OSM 12/240 V SERIES**

DIGITAL AC MULTIFUNCTION INPUT METER



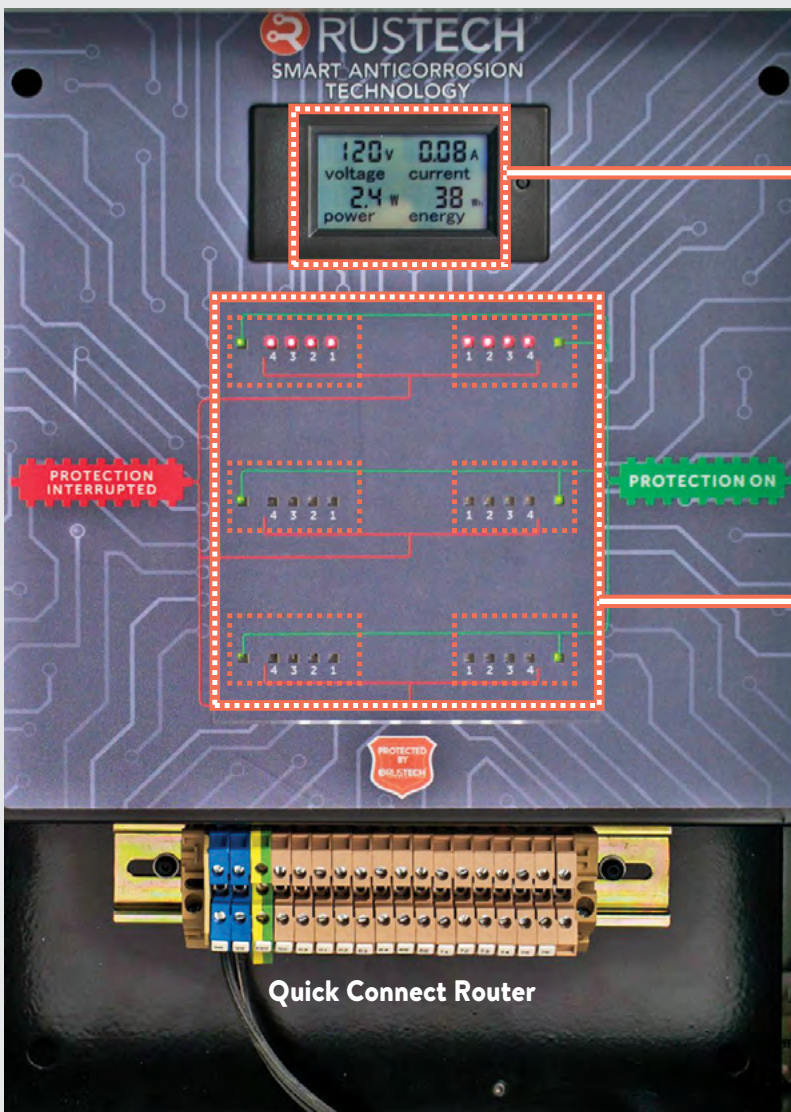
Back Light Control

Press the key to turn 'On' or 'Off' the backlight (memory function).

Reset

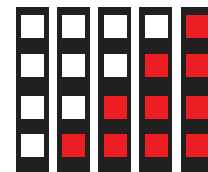
Press the key and hold for 5 seconds until the number in the display window flashes, then release the key. Press again to clear and reset.

Note: The power consumption value is always kept in memory mode even when the equipment is turned off



FOR EACH MODULE

PROTECTION INTERRUPTED



White Light: All is working

Red Light: Indicates a current flow problem

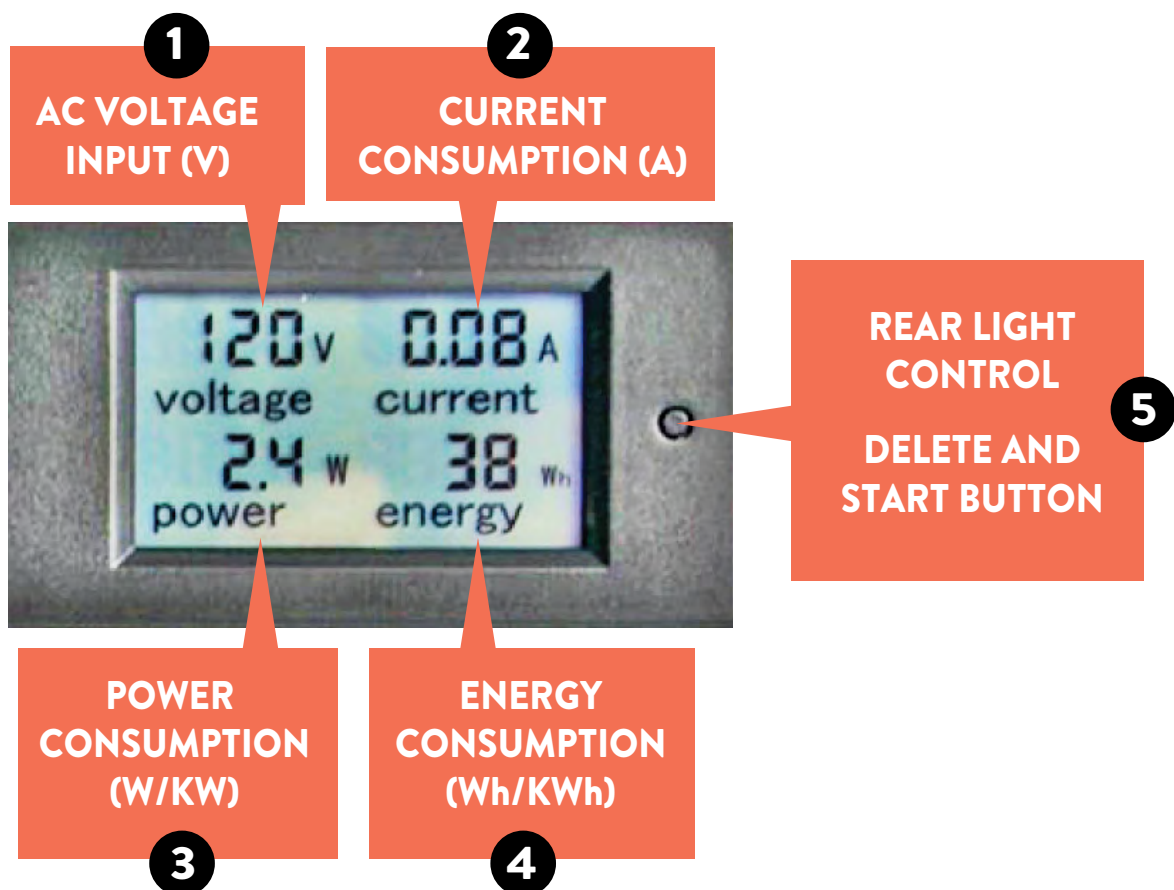
PROTECTION ON



Green Light: All is working

White Light: Indicates system is off

DIGITAL AC MULTIFUNCTION INPUT METER



Back Light Control

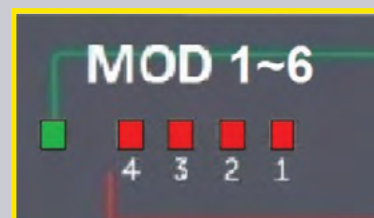
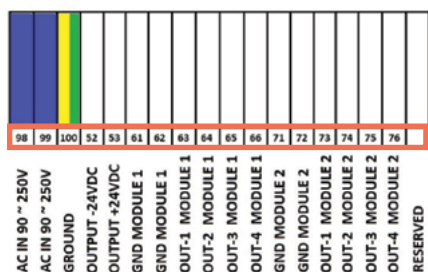
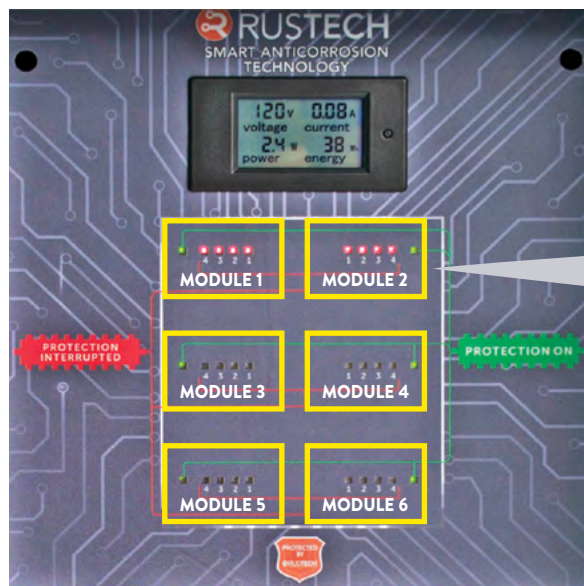
Press the key to turn 'On' or 'Off' the backlight (memory function).

Reset

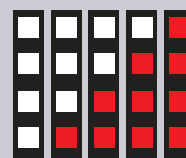
Press the key and hold for 5 seconds until the number in the display window flashes, then release the key. Press again to clear and reset.

Note: The power consumption value is always kept in memory mode even when the equipment is turned off.

CABLE ROUTING



FOR EACH MODULE
PROTECTION INTERRUPTED



White Light: All is working
Red Light: Indicates a current flow problem

PROTECTION ON



Green Light: All is working
White Light: Indicates system is off

QUICK CONNECT ROUTER

- 98 and 99:** (Electricity Feed) (Red or Blue cable)
- 100:** Master Ground (Yellow and Green or just Green cable)
- 52 and 53:** Output (2 routing points)– Optional Outputs – Stand-by
- 61 and 62:** Module Ground Output **Return 1** (Black cables)
- 63, 64, 65 and 66:** Electron Distribution (Yellow cables) Modules Line 1 – (Corresponding to an LED above)
- 71, 72:** Module Ground Out put **Return 2** (Black cables)
- 73,74,75, and 76:** Electron Distribution (Yellow cables) Modules Line 2 -(Corresponding to an LED above)
- Reserved:** Modules on Stand-by

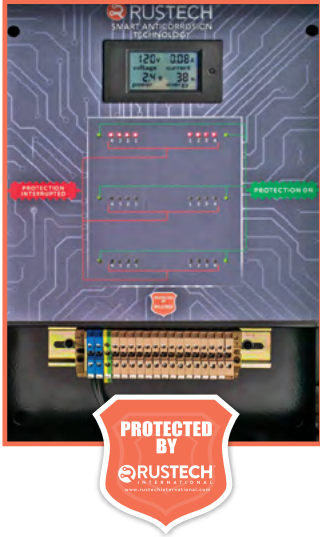
Follow the proper cable path by assuring you are connecting the correct cable to the router at the bottom of the unit. The router indicates each particular module configuration connector.

Yellow (electron flow) **Red or Blue** (energy to unit) **Green** (ground) **Black** (return cable).

Note: The final connection to a unit will be determined by a detailed connection diagram provided by Rustech® all based on the units specific needs and speck.



RUSTECH®
INTERNATIONAL



We can also provide protection to the generators on the towers

Rustech® also works on Radio and TV towers

Cell Tower Component* anchoring points

***Rustech® protects each and every component on the tower against rust and corrosion**

Top anchoring points

Middle anchoring points

Base anchoring points

Rustech® protects the foundation metal structure under the tower assuring its safety



Rustech® Presence and Effectiveness

Rustech® will connect to the tower with a custom calibrated panel of module(s) that distributes the correct charge of electrons to protect the entire structure.

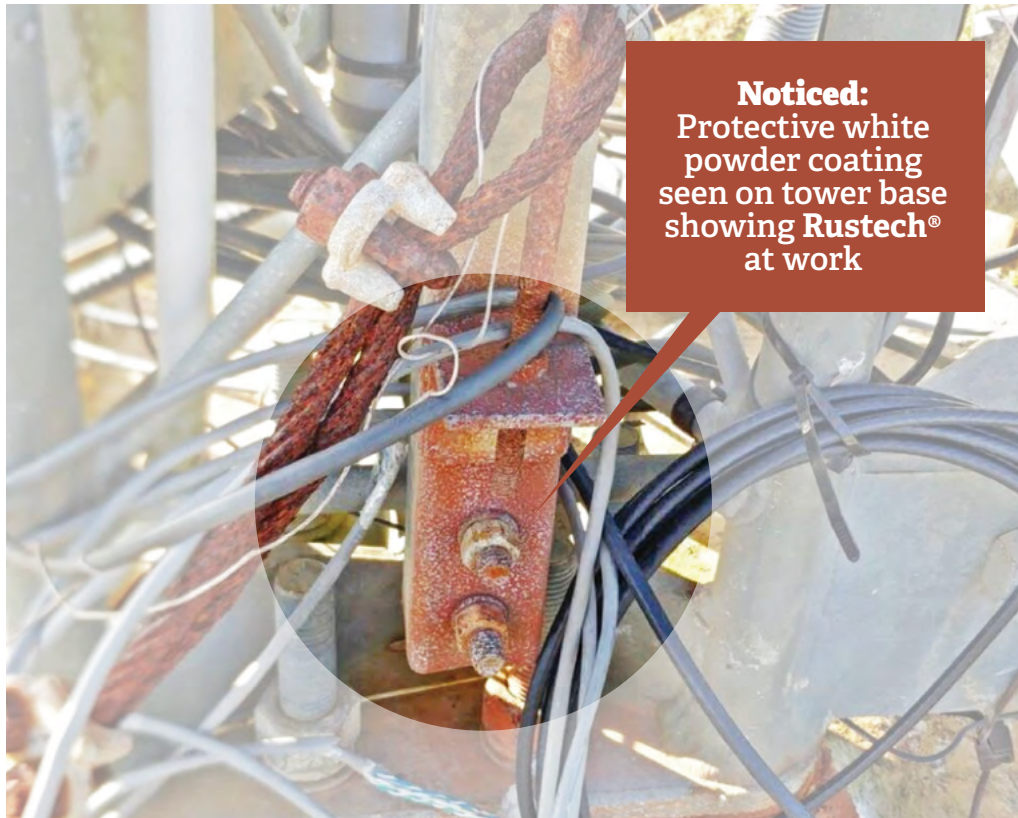
The electron-distribution is “chained” to accommodate any loss due to distance throughout the tower.

In most cases, for cell phone towers there would be three (3) dedicated chains of modules: **1)** for the base, **2)** for the middle section, and **3)** for the top of the tower.

They will all be interconnected for redundancy, but they will also work independently to efficiently protect the structure.

If the towers do not have their own electric supply, **Rustech®** can incorporate solar panels to provide the energy needed.

Visual evaluation of Rustech® on the Tower



What will be seen on the tower:

After a few weeks, you will see a white powdery coating on the surface of the metal, even under the chipped zinc galvanized coating (**Rustech®** will protect the zinc coating). This is evidence that the protection is active. The base of the structure will also be protected even if it is anchored on a “ground support” instead of a “concrete support”.

Our Commitment

Rustech® will stop and protect almost any metal structure except for those that are in contact with severe acids (chemical corrosion).

Rustech® will protect the exterior and interior of metal surfaces such as pipes, tanks, tractors, generators, Power Towers etc.

Rustech® will not interfere with any electrical components attached to the metal structure due to its isolated circuit and its low energy consumption; our module's circuitry are encased with secure resin-coated protection.

Rustech® will not weaken metal framing, but you should be aware that “dead metal” from any given framing will fall out.

Rustech® will protect the structure when properly connected and the company provides a 5-year warranty (*see sample manual) on each panel or unit. A warranty extension can be provided.



Installation Solutions

Rustech® is a hardware software corrosion solutions company and it does not provide installation, but it recommends companies such as **RTS®** as certified **Rustech®** installers. Photos show **RTS®** and **Rustech®** during an installation on a tower in St Thomas. After only 1-month, the results were visible in how **Rustech®** protected the entire structure.

The white protective coating was visible the metal surface even below the areas exposed to galvanization.



REEL
TELECOMMUNICATION
SERVICES, LLC

