



**CRATUSSAFE**

**Smart Cabinets**  
at a glance

# Market Challenge

**Equipment theft** is a nightmare for telecom service providers

Battery bank **theft per operator** per year: **6%+**

**Direct Asset** financial **loss** per year: **1.5Mn+ USD**

Immense Impact on **QoS** and **Subscriber Churn**

Telecom Equipment

## Indus Towers deploys GPRS tracking to reduce theft at telecom sites

January 8, 2018



## Cell Tower News: Tower theft disrupts service, causes millions in loss

By Jarad Matula on SEPTEMBER 25, 2015

Cell Tower News



## Telecoms firms lose millions to battery theft at cell sites

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Published: Thursday | August 29, 2013 | 12:00 AM

There are fears that the mushrooming of private solar-energy solution systems may have triggered a spike in the theft of expensive batteries used at cell sites of the island's telecommunications companies.

While senior police officers have not yet reported an increase in thefts, telecommunications companies have reported a spike in thefts since March this year, with some reporting a million.

## Cell Tower News: Huge tower battery thefts in Ill., Ohio

By Jarad Matula on JULY 17, 2015

Cell Tower News



## Summer of tower theft continues

The months-long streak of cell tower battery thefts continued in both Illinois and Ohio this week. A few weeks ago in the

## How thieves are plundering SA's telecoms networks

Staff Writer 16 April 2015



in

Your email address

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test challenges faced by South African operators. Criminals are not only causing millions in loss but also result in downtime for consumers.

a, Vodacom CEO Shameel Joosub said they have reported a significant increase in theft.

on this year to theft at base stations alone – people stealing batteries, fuel, and other equipment,” said Joosub.

# Our Solution

**Securing and enhancing** power banks for the telecom industry with smart cabinets

**Theft**  
resistant



**300° C**  
temperature  
resistant



**DC air**  
**conditioners**



**Drill**  
repellence



**IoT-enabled**  
locking  
mechanism



**Vibration**  
sensors

and much more



**4,000+**  
Cabinets  
Deployed





# Industry Impact

**Operator savings**  
with CratusSafe  
cabinets: **2Mn+ USD**  
in 5 years

**Theft rate**  
**reduced** to  
near minimal

## Deployment Results

Minimized service  
disruptions leading  
to **improved QoS**  
and **subscriber**  
**retention**

**Happy customers**  
include following  
with additional  
trials in progress



# Product Journey

2017

- THEFT RESISTANT CABINET - 2 VOLT VER-1.0

2018

- THEFT RESISTANT CABINET - 2 VOLT VER-2.0

2019

- THEFT RESISTANT CABINET - 2 VOLT VER-3.0
- THEFT RESISTANT CABINET - LI-ION VER-1.0

2020

- THEFT RESISTANT CABINET - LI-ION VER-2.0
- 2, 3 DOOR RECTIFIER CABINET - VER-1.0 & 2.0

2021 - 22

- 3,500+ SMART CABINETS DEPLOYED

# Product **Introduction**

- ❑ **State of the Art Solution** for Theft Prevention
- ❑ Advance **Vibration Sensor** that Generates Alarm on Theft Attempt
- ❑ **Thermally** insulated
- ❑ Compliant to **IP65 standard** for Outdoor Installation
- ❑ Provision for **Remote Data Monitoring**
- ❑ **Inbuilt** Air Conditioner/Heat Exchanger



# Product **Features**

- ✓ **Drill Resistant**
- ✓ Crowbar Resistant
- ✓ Acetylene Flame Resistant
- ✓ Hammer and Force Resistant
- ✓ Integrated Web Bonding on all layers
- ✓ **Triple control locking mechanism**
- ✓ **Gear Assisted 12 shooting bolts**
- ✓ Multi bend Extra Rigid construction
- ✓ Highly Reinforced locking regions with carbon & steel plates
- ✓ **Alarm generation on Theft Attempt**
- ✓ **Temperature friendly**
- ✓ 12 mm Insulation with aluminum foil
- ✓ Ruggedized & Tamper Proof Construction
- ✓ RS-485 Port for Sensing & Configuration
- ✓ Industrial Operation Temperature Range
- ✓ **Remotely Configurable and Monitored**
- ✓ Outdoor Installations
- ✓ 2 year Warranty



# Product **Variants**

Following is our complete range of products related to cabinet.

1. Theft Resistant Cabinet with DC AIRCON (500AH- 2Volt)
2. Theft Resistant Cabinet with DC AIRCON (1000AH- 2Volt)
3. Theft Resistant Cabinet Li-Ion with DC AIRCON – **48Volt**
4. Theft Resistant Cabinet Li-Ion Fan Cooled – **48Volt**





# Durability Testing



Triple Locking Mechanism



Acetylene Flame Test



Hammer Test



Drill Test



Grinder Test











Crowbar Test

# Cabinet Gallery



# Success Stories

CLIENT	PRODUCT	QUANTITY
	Antitheft Cabinet with Aircon VRLA & LI-Ion	120
	Fan Cooled & DC Aircon Standard Battery Cabinet	1,398
	Fan Cooled & DC Aircon Stackable Battery Cabinet	156
	Antitheft Cabinet LI-Ion with Aircon 48Volt 1000AH	815
	Two Door Battery & Rectifier Cabinet Li-Ion Fan Cooled	315
	Two Door Battery & Rectifier Cabinet Li-Ion Fan Cooled	305
	Three Door Battery & Rectifier Cabinet Li-Ion Fan Cooled	383
	Two Door Battery & Rectifier Cabinet Li-Ion Fan Cooled	440

**TOTAL OF 4,000+ CABINETS INSTALLED IN TELECOM INDUSTRY**

# Success Stories

CLIENT	PRODUCT	QUANTITY
	Failed Reported Theft Attempts so far	50
	Failed Reported Theft Attempts so far	30





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