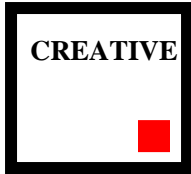


SMCEL

# Managed Services GSM Network



# About SMCEL

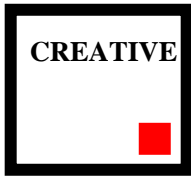
## SMCEL

Formed in 1992 at Gurgaon with operations in Power Supplies and Telecom equipment

It has since then grown to include Design, Manufacture, Supply, Install and commission specialized power supplies that meet requirements of Defense, Nuclear, Telecom, Oil& Gas sectors.

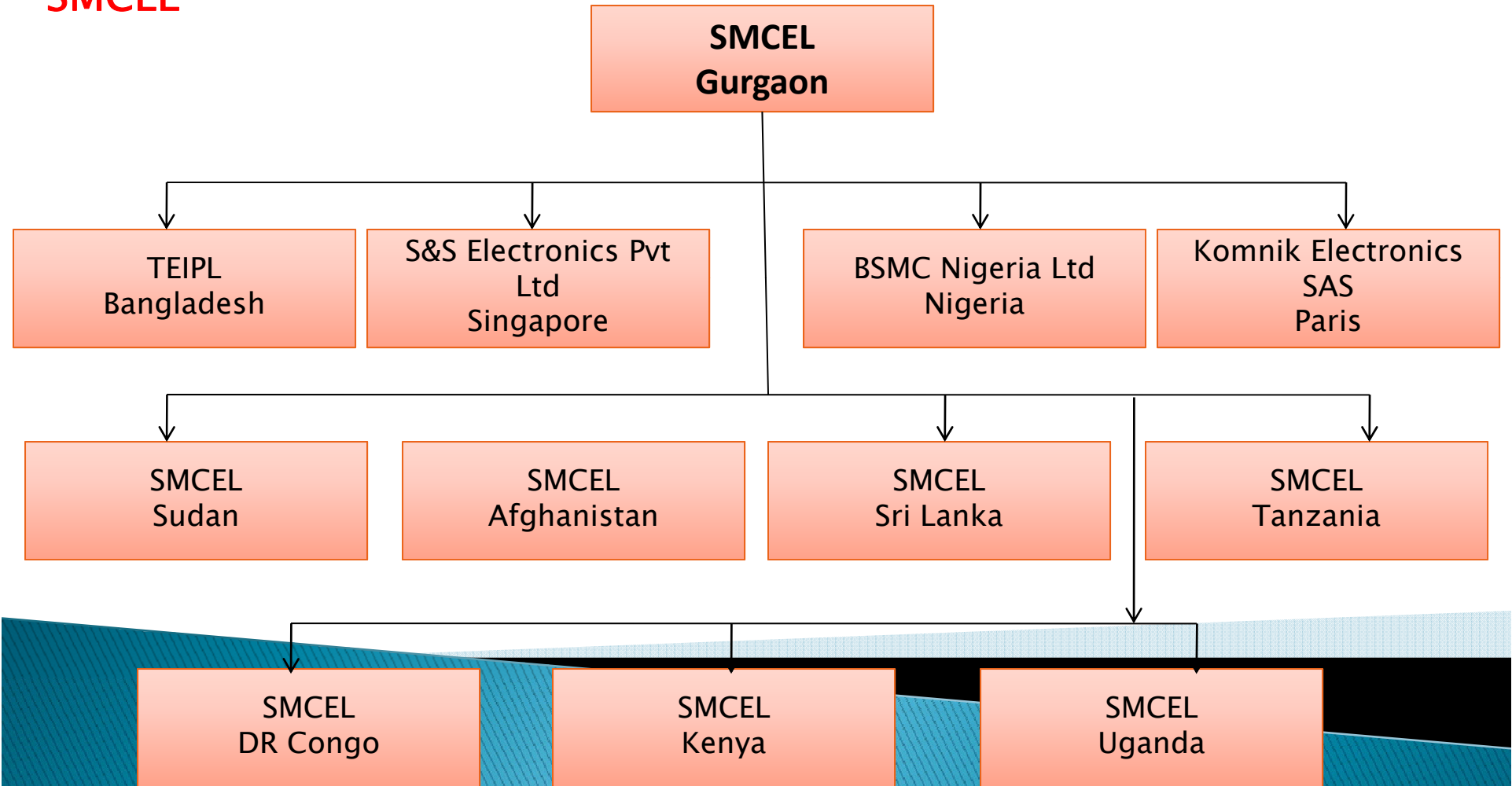
In the Telecom domain SMCEL is engaged in Supply, I&C, Warranty and AMC services of Radio Modems and Microwave systems. SMCEL is also engaged in turnkey solutions for low capacity BTS systems and Tower management systems

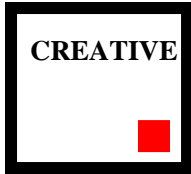
SMCEL is now an international company with operations in Asia, Africa and Europe



**SMCEL**

## Powering Telecom Networks





# SMCEL Operations in all Countries\*

## SMCEL

**Supply**

- SMPS power Supplies
- Batteries
- Earthing Systems
- Lightning protection
- DG sets
- Air conditioners
- Microwave Radio
- Optical ADMs up to STM 64
- Low Cap BTS
- Tower management systems
- Timing & synchronization unit
- UPS & Inverter Systems
- Opex Reducing Products
- Indoor & Outdoor Products
- Free Cooling Unit
- Solar Systems

**Maintenance**  
(For both active and Passive elements)

- L1 maintenance
- Routine maintenance
- Preventive Maintenance
- Spares Management

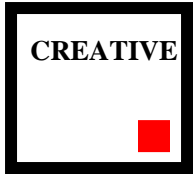
**Logistics**

- Regulatory approvals
- Imports and Custom clearance
  - Warehousing
- Local transportation
  - Re-export of defectives
- Administration

**Services**

- Design & Network Planning
  - Survey
- Feasibility reports
  - Site plan
- Installation drawings
  - I&C activities
- Project management
  - Warranty & AMC
- services Operations

\*Scope of work could be marginally different due to local needs/requirements



SMCEL

# Services Provided by SMCEL

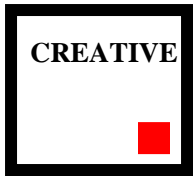
RFI Survey for new and shared sites for Loop Cellular in North, North East and West India.

Implementation and testing of POI Connectivity for Loop Cellular

Installation of over 130 Radio Modem links in 1+1 configuration in ISM bands for BSNL all over India.

Remote Technical and Hardware Repair and Return support to BSNL for maintenance of 580 Radio links in ISM bands

Supply and Installation of 50 Radio Modem Links to operators in Afghanistan



# BSMC Power Nigeria Ltd

## SMCEL

Nigeria operations were started in 2000 in the field of power supplies

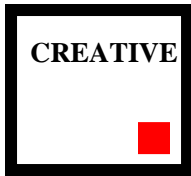
A subsidiary company under the name “BSMC Power Nigeria Ltd.” is registered in 2008 in Nigeria with Head quarters located in Lagos.

BPNL is registered in Nigeria for taxation as per the following details:

VAT Registration No. 01568975



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# BPNL Operations in Nigeria

## SMCEL

### Supply

- SMPS power Supplies
- Batteries
- Earthing Systems
- Lightning protection
- DG sets
- Air conditioners
- Microwave Radio
- Optical ADMs up to STM 64
- Low Cap BTS
- Tower management systems
- Timing & synchronization unit
- UPS & Inverter Systems
- Opex Reducing Products
- Indoor & Outdoor Products
- Free Cooling Unit
- Solar Systems

### Maintenance

(For both active and Passive elements)

- L1 maintenance
- Routine maintenance
- Preventive Maintenance
- Spares Management

### Logistics

- Regulatory approvals
- Imports and Custom clearance
  - Warehousing
- Local transportation
  - Re-export of defectives
- Administration

### Services

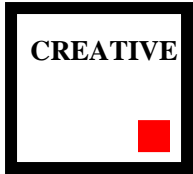
- Design & Network Planning
  - Survey
- Feasibility reports
  - Site plan
- Installation drawings
  - I&C activities
- Project management
  - Warranty & AMC
- services Operations



# BPNL Current Presence in Nigeria\*

\*Can expand to meet customer requirements at short





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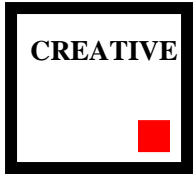
# Customer Base in Nigeria

Our Clientele includes

- MTN
- Multi-Links Telecom SA
- Visafone
- Starcomms
- Swap technology
- CV comms

And many more.....

BPNL offers all portfolios of supply, logistics, services and Maintenance to all its customers In Nigeria



# Customer Testimonials

SMCEL

This is what our esteemed customers say about BPNL

- MTN

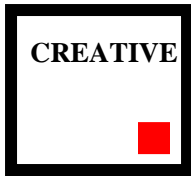


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- Visafone



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**SMCEL**

# Managed Services

Experience of supporting customers for over 15 years in supply chain management, logistics, services

## BPNL Offers

### Maintenance of Infrastructure

- Power supply
  - Batteries
  - DG set
  - Shelters
  - Lighting
  - Cabling
- Earthing & Lightning protection
- Site cleanliness

### L1 Maintenance of BTS & Back-Haul

- Spares management
- Replacement of defective
  - Trouble shooting
  - RMA details

### Maintenance of BTS & Backhaul



Microsoft Office  
el 97-2003 Worksh



Microsoft Excel  
Worksheet

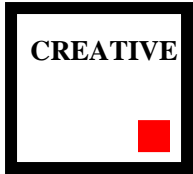
### Warehousing & Logistics

- ERP based Spares accounting
  - Local transportation
  - Custom Clearance
- Warehousing to meet MTTR

### I&C of BTS and Backhaul

### Equipment Supply

- SMPS Power Supplies, Batteries, Earthing, Lightning Protection Systems, DG Sets, Air Conditioner., Microwave Radio, Low Cap BTS, Tower Management System, UPS & Inverter Systems, Opex Reducing Products, Indoor & Outdoor Cabinets, Free Cooling Unit, Solar Systems



# Road map

## SMCEL

As a logical extension of the Managed Services portfolio, SMCEL plans to build a NOC that as a minimum will carry out:

- O&M of network and back ups
- Routine health checks of the core network elements
- Standing alarm monitoring and reduction
- Remote provisioning
- Remote Software up gradation
- Patch management

For a GSM network we plan to be able to carry out routine maintenance health checks of core systems on daily, weekly and monthly basis.



SMCEL

Thank You