# RMS

FINE DIGITAL

: A Proud Member of **FineDigital's Remote Equipment Manager** Family

## REPEATER MANAGING SYSTEM



**BTS**
(Base Transceiver Station)

DAS Master

Node Distributor

BTS

DAS Remote

Optical Repeater Remote

RF Repeater

SMS

**Mobile Switching Network**

MSC/BSC

HDLC/ATM

CCU

SMSC

SMS (SMPP)

PDSN

Wireless Data

**RMS**
(Repeater Managing System)

Client

Server
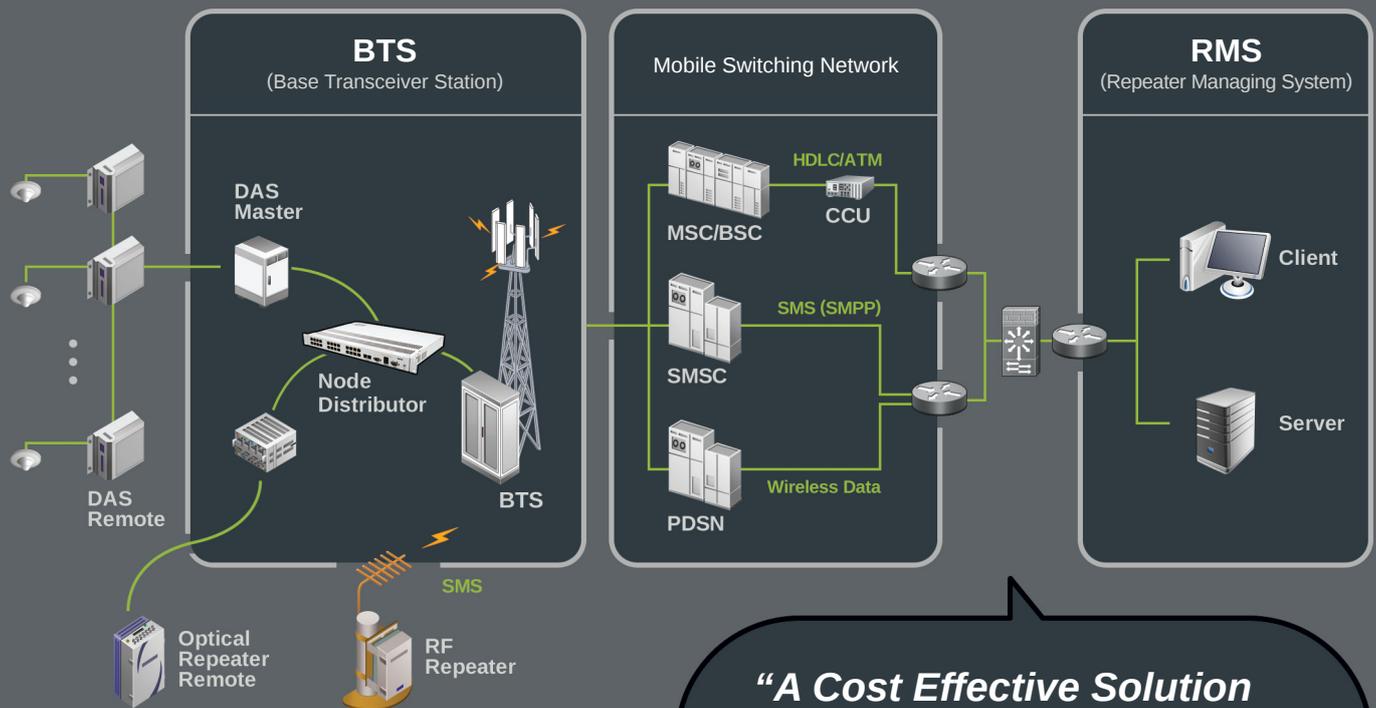
*"A Cost Effective Solution for Customer Satisfaction & Seamless Service Quality"*

### Synopsis

- Monitor repeater status and control their key parameters in the mobile network, all REMOTELY
- Provides an efficient solution for managing the mobile network with ever-increasing complexity
- Ready to tailor the generic solution in order to meet specific customer needs via consulting service
- Able to link repeaters from the networks with different standards (e.g., WCDMA and CDMA) or even RMS-noncompliant repeaters
- Attain the highest level of service quality via just-in-time maintenance/efficient management of repeaters and delivery of optimal call quality

**Enhanced service quality**

Monitoring equipment remotely

Early detection of equipment(s) malfunctioning

Fast restoration to normal operation

Less customer complaints

## Key Features

### Via full-fledged GUI

- Monitor the repeater status (e.g., forward amplifier status and output power, etc.)
- Issue real-time alarm message(s)
- Control the repeaters' key parameters (e.g., amplifier gain)
- Track the history of repeaters' performance indices
- Maintain up-to-date repeater connection map and RMS-wide statistics on performance indices and abnormal RF spectra (by plugging in FineREM_RFMS)
- Monitor the RF environments around repeater(s) (by plugging in FineREM_ RFMS)
- Monitor the RMS server and network devices (e.g., CCU) status



### Versatile to support various environments, protocols, languages and interface

- Client/server environments
  - ✓ Client : Windows- or web-based applications
  - ✓ Server : Unix/Linux or Microsoft Windows server
- Applications supported in multiple language environments
- Communication protocols : TCP/IP, UDP, SMPP, SNMP
- Comm. interfaces : Ethernet, HDLC, ATM, E1, RS-232C, dial-up modem, DTMF

## Specifications

| Items | Specifications |
|---|---|
| Repeaters compliant with FineREM_RMS | Analog optical repeater<br>Digital optical repeater<br>In-door, out-door DAS (Distributed Antenna System)<br>RF repeater<br>ICS repeater<br>Microwave repeater |
| Managing capacity | Over 30,000 units |