

Communication, Messaging & Monitoring Solution Required

To aid explanation of the solution that has been proposed, the following executive summary describes the solution for management purposes.

The capability of the solution offers integration with systems and personnel to expedite emergency and important communication and event notification from almost any systems in the hospital and to almost any form of mobile communication media, plus the ability to close events by confirmation / cancellation from systems and/ or personnel.

The final pricing attached comprises the following:

1. Commtech Messenger server application (with 10 simultaneous network user logon IDs and upto 100 recipients (of any type per the associated interfaces below);

MESSAGE DISPATCH GATEWAYS

2. High Stability Transmitter (100W) and transmitter interface including VHF Dipole and low loss cabling (note the preference is for this transmitter to be installed indoors in the roof area to maximise power to antennae, but cabinets for housing this 4U Transmitter are NOT included). This transmitter is compatible with Expansion to a multi transmitter synchronised system, for suture expansion to cover the wider Gaborone city.

We could reduce the specification of this transmitter which will reduce the pricing a little but limit the future expansion capabilities of the system as a whole.

3. SMS Interface to ensure that messaging communication in the wider Sudan area

MESSAGE RECEIVE (INPUT) GATEWAYS

4. SMS Interface will also allow for messages to be received via SMS which will in turn originate messages to pagers.

Southern Cross Message Systems (Pty) Ltd T/A

Message Systems

(2002/032042/07)

PO Box 433 MODDERFONTEIN 1645

Phone: +27(0)11 454 4470/3934/ +27(0)83 628 8184 (JHB); +27(0)83 375 0023 (CT); Fax: +27(0)11 454 2199

www.messagesystems.co.za

sales@messagesystems.co.za

Directors: QJ Daffarn

PERIODIC COSTS & OPTIONAL COMPREHENSIVE MAINTENANCE

5. The Server software and interfaces are continually being enhanced by development to ensure ongoing improved capability and that we keep current with manufacturer enhancements for interfaces. This, coupled with the global support we offer (first through the local dealer, backed by our Africa Offices and the global 24 hour support) provides the essential components for keeping the system up to date and operational.
6. Offered as an Optional monthly cost, we back the local dealer with a supply of spares and replacements for any component of the system that fails (Shipped within 24 – 48 hours), including pagers, transmitters and other hardware we supply. This is quoted as a monthly cost and includes on-site support.
7. If so required, we can provide a list of on-site spares which can be purchased to ensure immediate recovery from any failure that may occur.

OPTIONAL ITEMS / FEATURES LISTED

8. With this being a Server Based system a server is required to Message Systems specifications, however it is recommended that Message Systems also supply the server as part of the solution;
9. Analog Telephone Input Messaging is Highly Recommended. This interface turns every fixed line and wireless phone into a message dispatch “terminal” using pre configured canned messages and custom digits to send message like “Please call extension 123” and “Emergency in Ward 3” for example;

TYPICAL OPTIONS USED IN OTHER SITES LISTED

Note: Pricing in this section is indicative of a Typical installation and needs to be adjusted for your specific site

10. Email SMTP Interface, allowing dispatch of emails to the hospital’s SMTP Server (however this gateway is bi-directional and allows the receipt of emails to be routed as messages to any of the systems outbound gateways);
11. The integration with nurse call systems (over IP/ Serial) is possible to enable immediate notification of nurse call, staff assist, emergencies and Code Blue alerts, which can all be routed to the required nurse groups, emergency response teams on duty etc. (A Dynamic staff assignment client is also available);
12. In the same way the system is able to integrate to BMS, IT Monitoring and Fire Alarm Systems, to allow for Immediate Alerts to the right staff on the right device. Indicative pricing has been shown for reference purposes only.

We are confident that this combination of Input and output messaging gateways, together with the required configuration and staff training will result in your client's hospital being highly advanced, and on a par with sites like it where our technology has been deployed world-wide.

Message Systems
AFRICA

Commtech Wireless Division of Amcom – Africa Representatives

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