

# south • asian **wireless**

For wireless comms professionals in the South Asian region

**COMMUNICATIONS**

Q1/2009  
Volume 2  
Number 1



- Wireless cities
- Network optimisation
- Mobile handset update
- Last mile options

Your partner for rapid deployments

**RADIO FREQUENCY SYSTEMS**  
The Clear Choice®



# south asian wireless

COMMUNICATIONS



**Q1/2009  
Volume 2  
Number 1**

RFS is a global designer of cable, antenna and tower systems plus active and passive RF conditioning modules, providing total-package solutions. RFS is a leading innovator in outdoor and indoor wireless infrastructure.

RFS serves OEMs, distributors, system integrators, operators and installers in the broadcast, wireless communications, land-mobile and microwave market sectors.

As an ISO 9001 & 14001 compliant organization with manufacturing and customer service facilities that span the globe, RFS offers cutting-edge engineering capabilities, superior field support and innovative product design. RFS is committed to globally fulfilling the most demanding worldwide environmental protection directives and integrating green initiatives in all aspects of its business.

RFS has opened a new manufacturing plant in Kolkata — see p11.

**RFS India Telecom Pvt Ltd**  
M-56A, Mezzanine Floor  
M block, Gk-2  
New Delhi -110 048  
Phone +91 11 2922 1314/16/17  
Fax +91 11 2922 1315  
**rfsworld.com**

**RADIO FREQUENCY SYSTEMS**  
The Clear Choice®



## CONTENTS

### 5 News



### 5 News review

- > Zong launches video SMS in Pakistan
- > Sri Lanka goes solar
- > Indian market now second after China
- > Afghanistan gets unique satcoms link

### 14 Wireless solutions



### 14 Wireless solutions

- > New products and technologies

### 17 Wireless cities



### 17 Wireless cities

- > Bringing wireless broadband to cities – BHAMIKA BHUDIA finds out the latest

### 21 Optimisation



### 21 Network optimisation

- > How to future-proof a network



### 33 World news

### 24 Mobile handsets

- > When it comes to new phones, JON HOWELL discovers Asia can't get enough

### 26 Point-to-point

- > Flexible backhaul options

### 28 Industry view

- > India gets ready for the next step

### 31 Operator profile

- > An agent of change: Mobilink

### 33 World news

- > Live 3D hologram transmitted
- > TETRA for explosive environments
- > Qantas to allow in-flight mobile use

#### SUBSCRIPTIONS:

South Asian Wireless Communications is a controlled circulation quarterly magazine. Register now for your free subscription at [www.kadiumpublishing.com](http://www.kadiumpublishing.com)  
Readers who do not qualify under the terms

of control can purchase an annual subscription at the cost of £110.

For more information and general enquiries please contact Suzanne Thomas at [suzannet@kadiumpublishing.com](mailto:suzannet@kadiumpublishing.com) or call +44 (0) 1932 886 537

#### EDITORIAL:

Editor: **Rahiel Nasir**  
Senior staff writer: **Greg Chivers**  
Staff writer: **Dr Jonathan Howell**  
Designer: **Danuta Niedziolak**

#### ADVERTISEMENT SALES:

Advertisement manager: **Richard Lisney**  
[richardl@kadiumpublishing.com](mailto:richardl@kadiumpublishing.com)  
Advertisement sales executive: **Anne Monteiro**  
[annem@kadiumpublishing.com](mailto:annem@kadiumpublishing.com)

#### Production & circulation:

Production: **Suzanne Thomas**  
[suzannet@kadiumpublishing.com](mailto:suzannet@kadiumpublishing.com)  
Tel: +44 (0) 1932 886537  
Fax: +44 (0) 1932 886539  
Publishing director: **Kathy Moynihan**  
+44 (0) 1932 886537

#### Editorial enquiries:

Tel: +44 (0) 1932 886537  
Fax: +44 (0) 1932 886539  
[rahieIn@kadiumpublishing.com](mailto:rahieIn@kadiumpublishing.com)

© 2009 Kadium Limited. All rights reserved. The content of this publication may not be reproduced in part or in whole, including photocopying, scanning and/or recording, or transmitted in any other form by any means including electronic, digital or mechanical, or stored in any form of data storage, archival or retrieval system, without the prior written permission of the publisher and copyright holders. All enquiries should be sent to Kadium Limited, Brassey House, New Zealand Avenue, Walton-on-Thames, Surrey, KT12 1QD, United Kingdom. The views expressed in this publication are not necessarily those shared by the publisher or the editor. E60E.

Printed in England by Williams Press