



ITU Conference

ITU-BDT Regional Seminar on Fixed Mobile Convergence and New Network Architectures for the Arab Region

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Agenda



-  MTC-Vodafone (Bahrain) in Brief
-  Our Achievement
-  MTC Group Direction
-  3G Network in the Kingdom of Bahrain
-  Examples of 3G Services
-  Defining Convergence
-  Beyond 3G
-  Our Commitment

MTC-Vodafone (Bahrain) in Brief

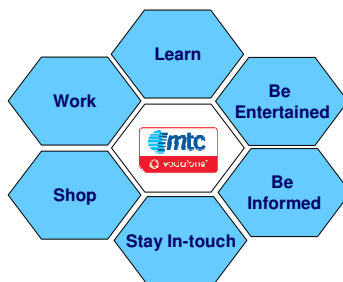


1. MTC-Vodafone (Bahrain) was awarded the second mobile license in Bahrain in April 2003.
It was selected among 10 bidders for the license
2. Under the license obligation, MTC-Vodafone (Bahrain) was committed to deploy by the end of 2003:
 - Nation-wide GSM coverage that provides the **fastest possible mobile data services**
 - Introduction of rich set of mobile data services using **leading-edge technologies**
3. In addition to Mobile License, other licenses were granted such as International (Facilities and Services), VAS and ISP

Our Mission in the Kingdom



"We commit ourselves to provide the most reliable and cost-effective communication network in Kingdom of Bahrain that will help our customers to innovatively :



WIRELESSLY



Our Strategy



Differentiation and Innovation via:

- Our People – Young, Creative, and Empowered
- Our Network – Latest Technology 2G, GPRS, EDGE & 3G
- Our IT Systems – Fully Integrated
- Our Portfolio of Data Service – WoW – Rich Mobile Data Content
- Our Products – Value for Money
- Our SIMs – User Friendly Menus
- Our Customer Service and POS – Experience Shops
- Our Distributors – Key Players
- Our Suppliers - Partners in Success

Our Achievement



- Successful Launch on the Target Date
- 1st Nationwide 3G Network in the Region
- 1st VPN solution for Corporations in the Region
- 1st TV Broadcast through the Mobile in the Region
- 1st CAMEL Roaming
- 1st Push email – Enterprise & personal editions
- Innovative Pricing, bundling, and comprehensive service offering on Postpaid and Pre-paid
- Excellent Customer Service and Unique Experience Shop Concept
- 100,000 Subscribers Before the end of 1st year from launch (16% market share)
- Portfolio of various and unique data services (WoW Portal)
- 82% Bahrainisation and above since launch



MTC-Vodafone (Bahrain) Experience Shop



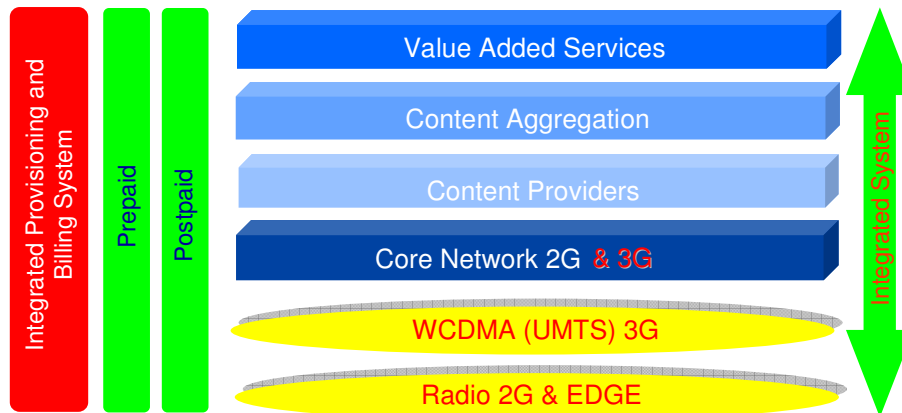
MTC Group Direction



MTC group is committed to the evolution of MTC-Vodafone (Bahrain) as the regional leader in technology and customer services.

The 3G deployment in Bahrain set the scene for the rest of MTC group of companies to deploy such state-of-the-art technologies in their respective territories.

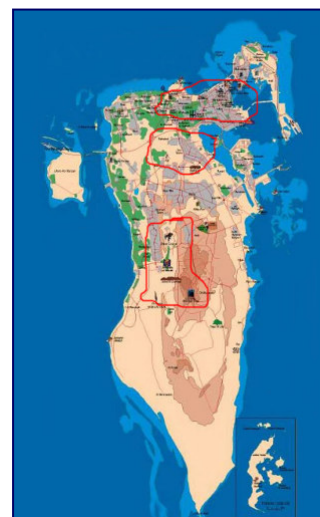
Technology and Service Stack



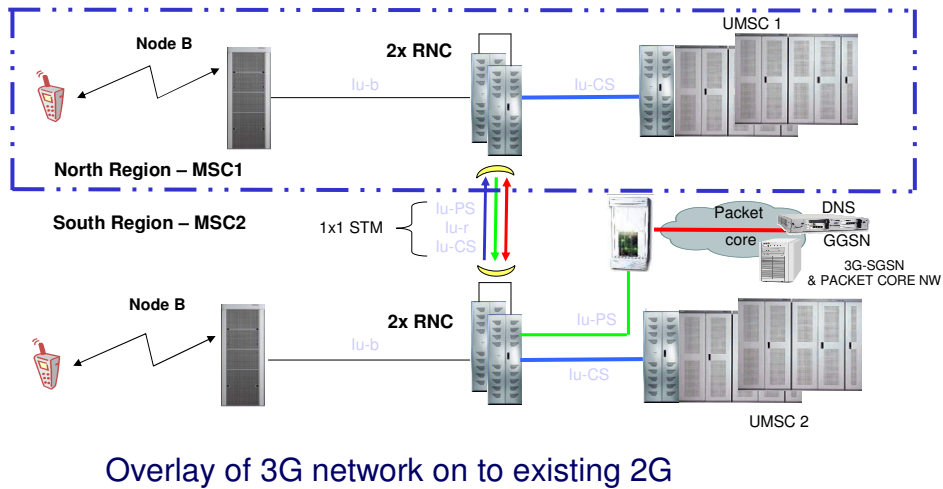
3G Network Coverage in 2003



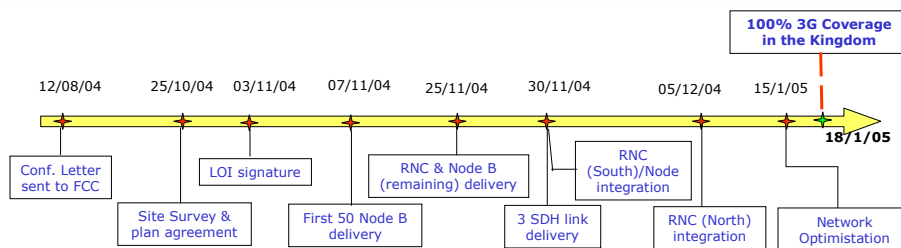
- **1st in Middle East to Launch 3G**
- **Focused 3G coverage:**
 - Manama (Diplomatic and Seef)
 - Bahrain University campus at Isa Town and Sakhir and vicinity



MTC-Vodafone Bahrain 3G NETWORK DIAGRAM



3G Nation-Wide Coverage Roll-Out



Network Highlights:

- Followed WCDMA UMTS (3GPP release 99)
- Utilized 5 MHz of Core UMTS frequency band (2 GHz)
- Utilized 100% owned backbone IP network

Video Call Feature



- **Considered impossible before, video calling using mobile phones is a reality now, thanks to cutting edge 3G technology!**
- **Makes communication to our dear ones special and fun because you can see people, show objects, surroundings and activities in real time as you talk!**
- **What is required:**
 - Video call capable 3G mobile phone
 - 3G mobile network → MTC-Vodafone (Bahrain)!



Video Call Ad



الاتصال بـ "صوت وصورة" مجاني مع حوار

احصل على خط حوار الآن واستمتع بدقائق مجانية تصل إلى 30 دقيقة من خدمة "صوت وصورة" عبر نظام الجيل الثالث حسب الاتفاقية التي اختارها. خدمات حوار تشمل على تسجيل مجاني، خدمات المعلومات والتشريف من عالم "أر" Wow، إمكانية الدخول على الإنترنت بسرعة فائقة عبر نظام الجيل الثالث، والمزيد من المزايا الأخرى.

حوار آخر صحيحة في خدمة الدفع الأجل.



*على أن تكون الهاتف متوافق مع نظام الجيل الثالث.

لمزيد من المعلومات الرجاء الاتصال على ١٠١٧ لتصل بزيارة مراكز الإبداع أو زيارة موقعنا على الإنترنت: www.mtc-vodafone.com.bh



Driving Video Calling



A new application that uses
Presence to drive video calling

While making a voice call, an SMS will be sent to A-Party prompting them if they want to make a video call instead!

In the know.



GPRS/3G Data Connect Cards



- Customized PC connect card
- Provide seamless mobility internet at 384Kbps speed every where in Bahrain
- GPRS Roaming in 29 mobile operations around the world
- Able to Roam in Japan

Connect Card Ad



3G Connect Card Application



3G/Wi-Fi Access



Littlebox provides multiple users with 3G wireless broadband connectivity and provides local networking



Features:

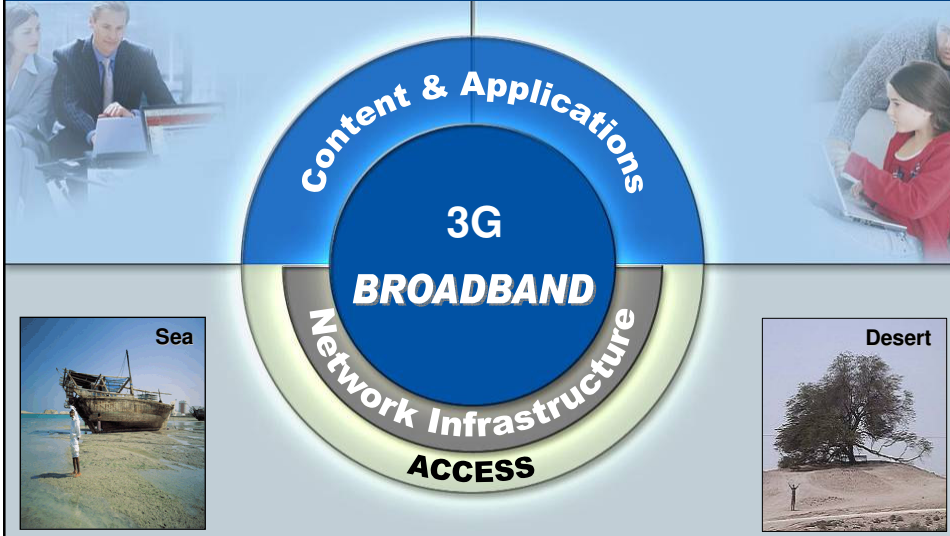
- Private local network for groups of users, allowing internet connection, use of corporate tools and file sharing
- Personal office access: e-Mail, Internet. Business application
- High bandwidth connectivity anywhere

Streaming over 3G



- First in the Middle East
- One of the few world-wide
- Using Special Codec
- Downloads of MPEG 4-like video
- Downloads of MP3-like audio

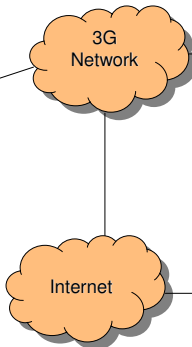
3G Coverage as Broadband Wireless Access for Rural Areas



Video Mail



"Salam Alaikum, everybody.
This is me in Dubai! Save this
video till I return home."



At office:
review voice
and video
mail from
handset...

"Hey, Our
boss is in
Dubai!"



Back Home: review voice and video mail from PC...
"Hey, guys... Dad has sent us a video from Dubai!"

Video Portal



"Hello, sweetheart! Meet me at Costa at 9:00!"

Participants
The Harrotech Work Environment has room for everyone. The Participants area gives you an overview of who is currently present.

Voice over IP
To talk to your group, simply press the microphone button. Low delay, crystal clear Voice over IP provided by Global IP Sound.

Whiteboard
The Whiteboard area is where all users can interact by sharing applications, MS Office documents, images and drawings. Pointers, markers, live camera snapshots and other tools are available to help you share your ideas.

Chat
Send a small message or a web link to everyone or to only one person.

Video
If desired, video can be used within your environment, enabling you to meet others with high quality video.

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Push-To See

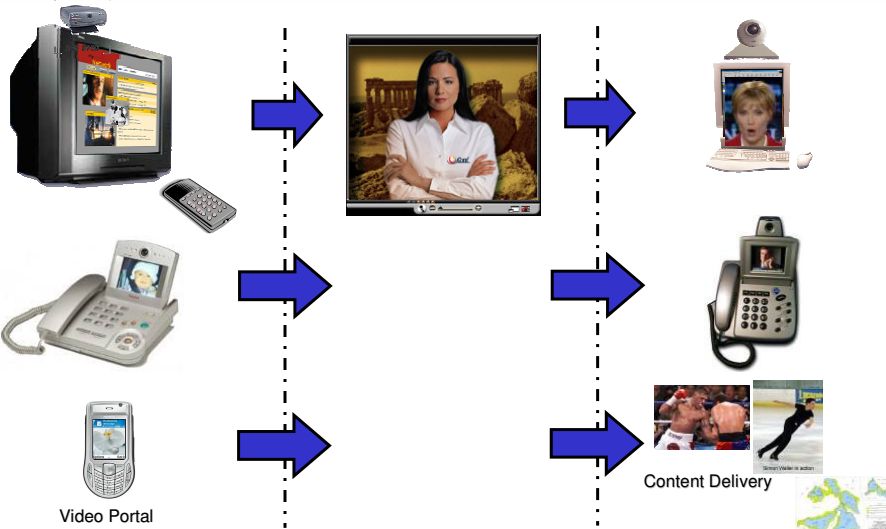
Walkie Talkie-like conversation
1 to 1 / 1 to Many

Voice communication: Push-To-Talk
Video communication: Push-To-See

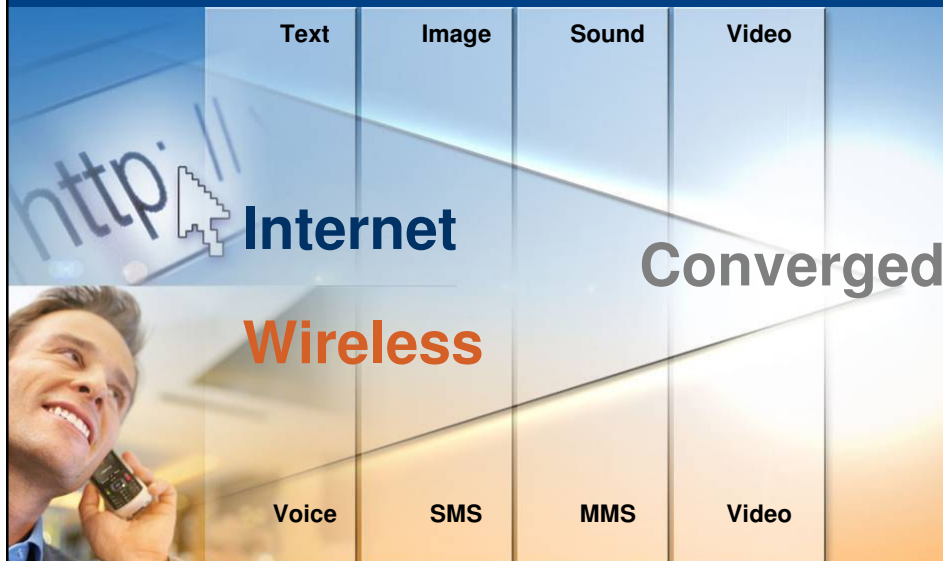
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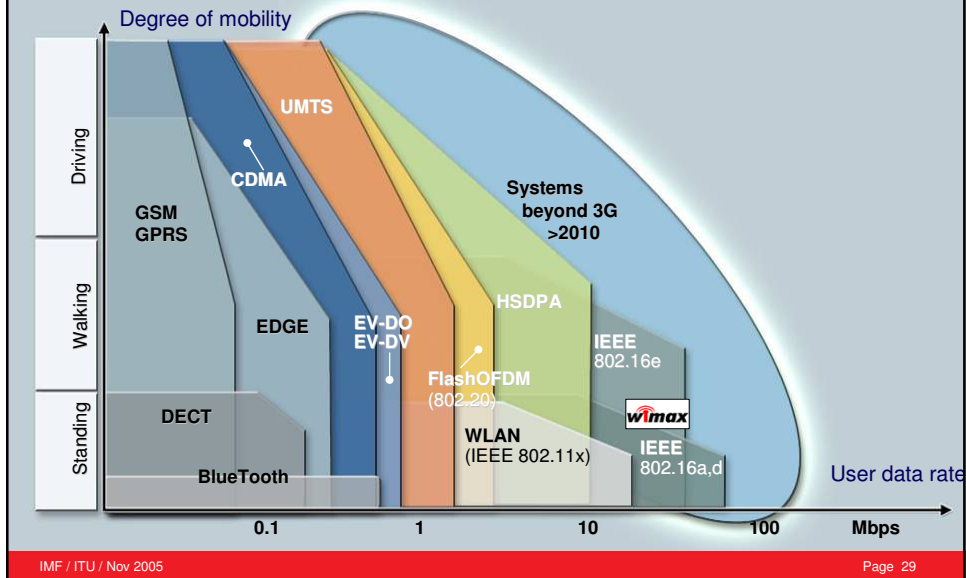
Video Telephony Convergence



Defining Convergence



Beyond 3G



MTC-Vodafone (Bahrain) COMMITMENT



- We have provided people with quality data and voice any where, any time at an affordable price
- We converged:
 - Voice
 - Information service
 - Games/entertainment
 - Internet service
 - TV
 - Video
- AND More*
- We have converted customer's mobile set from a simple device to a lifestyle tool for business and entertainment



We hear you

Thank You

www.mtc-vodafone.com.bh