



This PDF is provided by the International Telecommunication Union (ITU) Library & Archives Service from an officially produced electronic file.

Ce PDF a été élaboré par le Service de la bibliothèque et des archives de l'Union internationale des télécommunications (UIT) à partir d'une publication officielle sous forme électronique.

Este documento PDF lo facilita el Servicio de Biblioteca y Archivos de la Unión Internacional de Telecomunicaciones (UIT) a partir de un archivo electrónico producido oficialmente.

جرى إلكتروني ملف من مأخوذة وهي والمحفوظات، المكتبة قسم ، (ITU) للاتصالات الدولي الاتحاد من مقدمة PDF بنسق النسخة هذه رسمياً إعداده.

本PDF版本由国际电信联盟（ITU）图书馆和档案服务室提供。来源为正式出版的电子文件。

Настоящий файл в формате PDF предоставлен библиотечно-архивной службой Международного союза электросвязи (МСЭ) на основе официально созданного электронного файла.

أخبار الاتحاد

www.itu.int/itunews

تقرير خاص عن تليكوم العالمي للاتحاد 2009



سوق الاتصالات في سويسرا
مستقبل صناعة السواتل
المجلس 2009





Wake-up call.

Climate change is a serious problem. So at the International Telecommunication Union (ITU), we're looking at serious solutions. For instance, by using information and communication technologies (ICTs) to monitor global climate change. Or by working with other industries to reduce greenhouse gas emissions through the innovative use of ICTs. And, of course, by promoting and adopting a carbon neutral approach within our own industry. We've heard the wake-up call. Through leadership and example, ITU is determined to answer it.



:2009

.

2009

2011-2010

2009

.2009

2009

2009

:2009

1

:2009

(8-4)

(11-9)

(21-12)

(23-21)

:

(25-24)

(29-26)

(32-30)

(35-33) 2009

(38-36) 2009
2011

(39)

4



©Russell kord/ Alamy :

Shutterstock :

©David J.Green technology/Alamy

ISSN 1020-4148
www.itu.int/itunews

10

© ITU 2009 :

:()
/ :

:/
+41 22 730 5234/6303 :
+41 22 730 5935 :
itunews@itu.int :

International Telecommunication
Union
Place des Nations
CH-1211 Geneva 20 (Switzerland)

:/
+ 41 22 730 6303 :
+41 22 730 5935 :
itunews@itu.int :

المحتويات

2009



40

44

(49-48) (48-44) :

50

2009

51

57

59



:()

2009

2009

9-5

2250

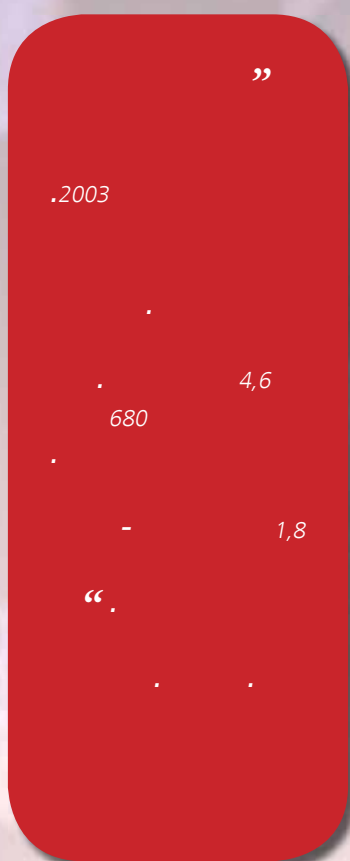
2009

(China Mobile)

38 4



**ITU TELECOM
WORLD2009**



()

”

“

”

“

State of Geneva

[illegible]

“ ”
 (“Vieux Grenadiers”)

2009 5



22

“

"

■

66

22

22

5000

22

66

60

44

"

66

”

95

44

“



“ ”

China

“ ” Mobile (China Mobile)

”

“ ”

”

”

“

() (SMS)

“

”

(SMS) 1,8

“

40

”

“ China Mobile

”

2009

“ ”
(SMS)
1,8
“ ”
(SMS)





(WIPO)

(IMO)

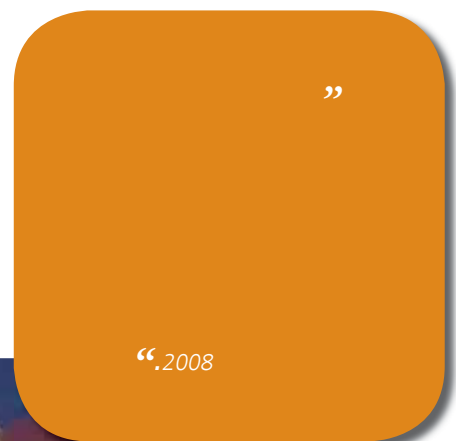
(e-Development International)

2008

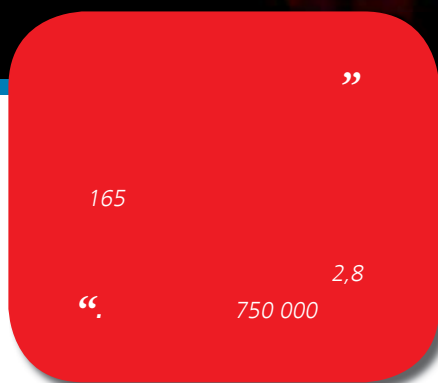
2,8

750 000

165



“2008



2010-2005

8

.2008

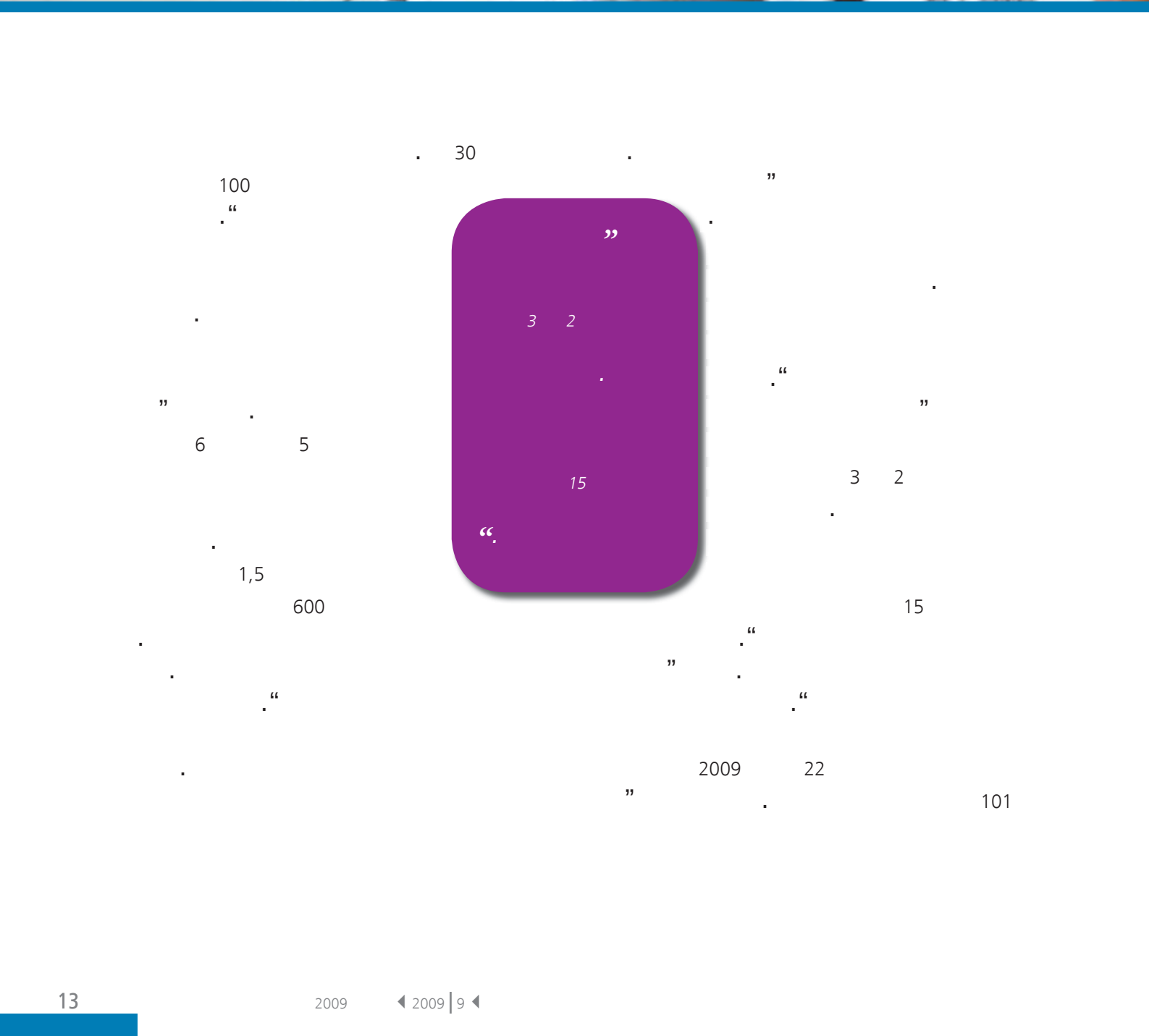
45

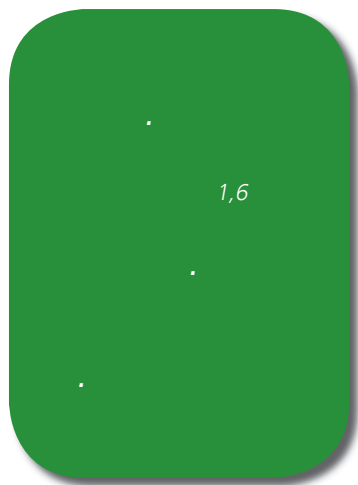
2009

(IMO)

(WIPO)







1,6

1,6

” (GSMA) GSM

” GSM





450 .

”

”

“

”

”

“

“

”

“

”

“

“ 2012

(VNL)

“

”

”

12 10

“



VNL

VNL

(ARPU)



50 20

” “

“

50 20

”

“

(USTTI)

167 8 000

”

“

”

“

”

”

“

) 20 000

(

“

Sahara Computers
(MICTI)

”

“

)

(

1





23

0,30

(CTO)
(WMO)

2009 29

2009 2009

400

200 29

25

2009

(RFID)



2007

”

”

“

“

“

”

”

50

“

.2009

1,8



15

”

“

”

10

“

”

97

“

”

“

2,5 2009

.2001

”

.2010

”

-

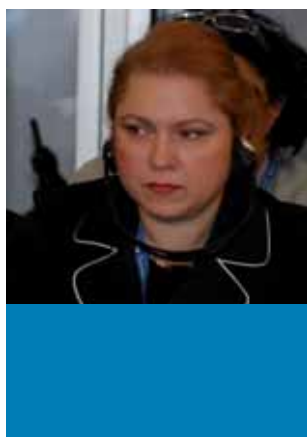
“

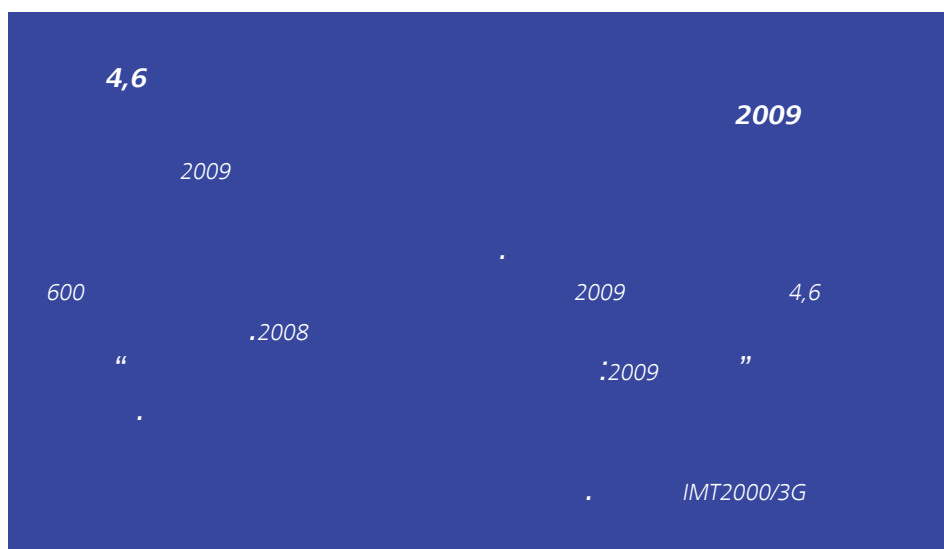
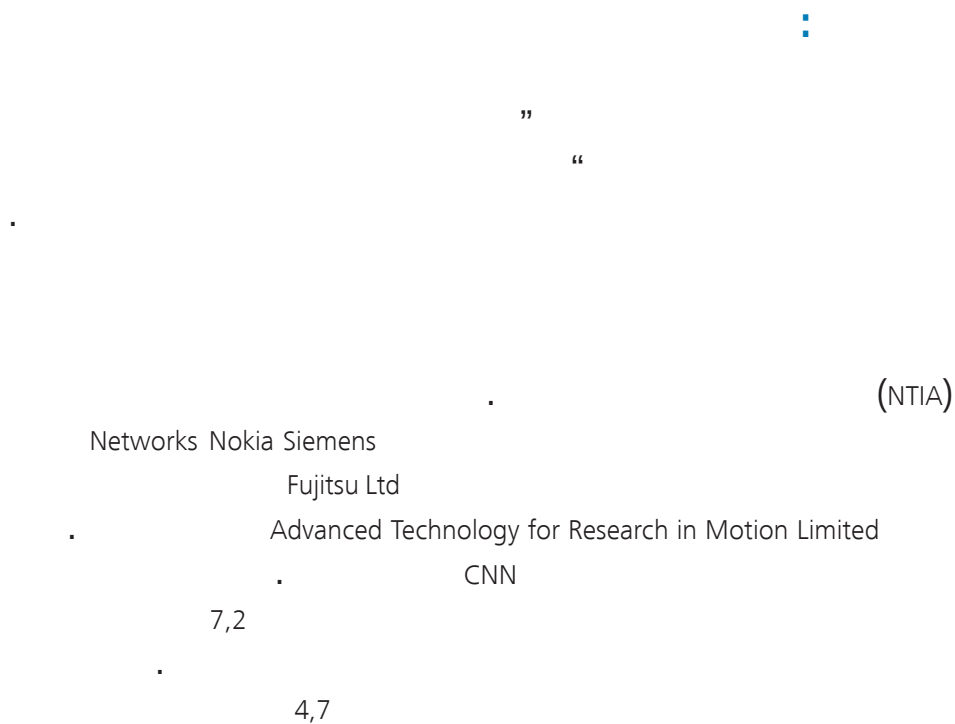
2010

“

600

-







Nokia
 . Siemens Networks



. Fujitsu Ltd



Advanced
 Technology for Research
 in Motion Limited



. CNN

“ ”
) 25 000 2009 .(
 90 43
 .Mbit/s 100

“ ”
 ”
 — —
 “
 .





(GSMA)

.(GSMA)

.(SMS)

”

“

)

(

)

(

.

.

.(HSPA)

120 HSPA

321

GSMA

”

.

.

285

“

.

167,5

9

GSMA

HSPA

5,5

.

(GSMA)

—

—

.

1,3

.

(

)





© David J. Green-technology/Alamy



(RIM)



CNBC

.M-PESA

.2003

(RIM)

.(BlackBerry)

CNBC

RIM

Perimeter)

2001

30

150
(Institute for Theoretical Physics
100



145

2002

145

300

.2009

”

“

“

”

Cisco

(ISOC) Internet Society

”

”

“

”

“



BU & IM Industry
Relationship, Nokia Siemens
Networks GmbH & Co.



:()

"Vieux Grenadier"



.2009



()
7
2009



China Mobile



**ITU TELECOM
WORLD2009**

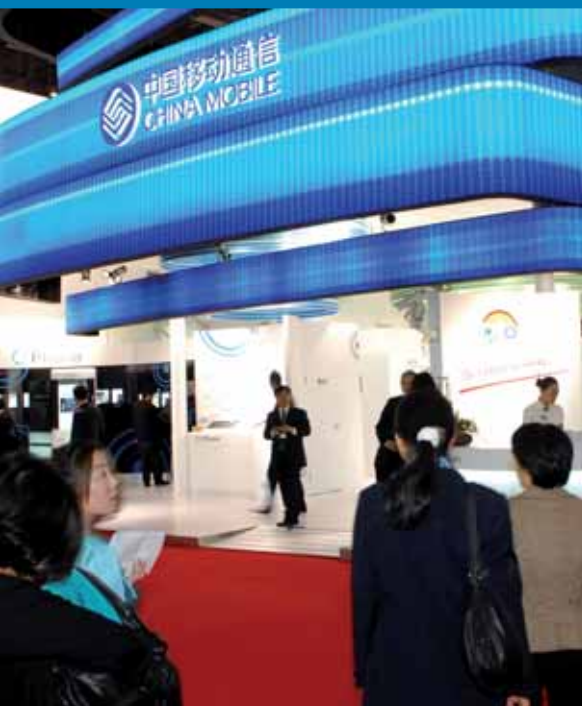


()
.Telecom TV



STC





2009

- › 3-GSP
- › 3GPP
- › A-D Technologies
- › Abilis
- › Ability by Willager.Com
- › Abonobo
- › Actus
- › ADB
- › Adeya
- › AEC
- › AICTO
- › AIMS
- › Airspan Networks
- › Airsys
- › Al-Iktissad Wal-Aamal
- › Albis Technologies
- › Allied Soft
- › Alp ICT
- › Alphion
- › ALS & TEC
- › Alvarion
- › AMD Global Telemedicine
- › Amdocs
- › Arabsat
- › Argela
- › ARTP
- › arx IT
- › ASB
- › ASSOCHAM
- › ASTRO
- › ATDI
- › Austin-Taylor
- › Automation
- › Avertim
- › AWEX – Wallonia Region Belgium
- › AWT.be
- › Axelprod
- › Axis Network Technology
- › AXTEL
- › AzEduNet
- › Azerbaijan Pavilion
- › Azercell Telecom
- › Azertelekom
- › BE IP
- › Beceem
- › Belgium Pavilion
- › Bestcomp Group
- › Bhansali Cables & Conductors
- › Bharat Sanchar Nigam
- › Boozter
- › Brussels Export
- › Burundi Pavilion
- › Business Monitor International
- › BusinessWeek
- › C-DAC
- › C114
- › Canitec
- › Caspel
- › CBS Products
- › CE + T
- › Celcom
- › CellMax Technologies
- › Cellmetric
- › CERN
- › CGIS
- › Chau Leong
- › China Foundation for Disabled Persons
- › China Mobile
- › China Potevio
- › China SME Pavilion
- › China Unicom
- › Ciena
- › Cisco
- › CITC
- › CITEL2CP
- › CityOnline.net
- › Clearwire
- › CNBC
- › CobiNet
- › COFETEL
- › Communications Africa/ Afrique
- › Communications Weekly
- › Company TTK
- › Comtek Network Systems
- › Comverse
- › Connect The World / e:Telesis
- › Connect-World
- › Convergencia Latina
- › CopperGate
- › Corecess
- › CSEM
- › CSI
- › CTI Group
- › CTO
- › Cubix Communications
- › D.G.Sociedad de la Informacion
- › D.G.Telecomunicaciones
- › DADI Telecom
- › DAISY Consortium
- › Damery
- › Dash-S Technologies
- › Datang
- › Delivery Management
- › Delta Telecom
- › Dempa Publications
- › DiGi
- › Digital Communication World Magazine
- › Digitalk
- › Dilmanc Project
- › DiViSy Group
- › DOCledge
- › E-Fulusi
- › Earth Focus Foundation – Green Map
- › Eastern European Wireless Communications
- › Economic Development Office – Republic and State of Geneva
- › ECOWAS Pavilion
- › Egypt Pavilion
- › Egypt Post
- › eHealth Pavilion
- › Enea
- › Enqio
- › Equinix
- › ESRI

- › Essentia
- › ETON
- › ETRI
- › Eurobox.pl
- › Euronews
- › European Reseller
- › Everyone Counts
- › Excentis
- › Exicom Tele-Systems
- › Fabrinet
- › Femto Forum
- › FGUP MGRS
- › FiberHome Technologies
- › Fibrolan
- › Financial Times
- › FNMT
- › France Pavilion
- › Green@ICT Pavilion
- › Grintek Ewation
- › H-OPTEL
- › Hengxin Technology
- › Hewlett-Packard
- › Hispasat
- › HPXIN
- › Huawei Technologies
- › Huawei Technologies Germany
- › Hughes – Mexico
- › I-Touchsystems
- › IARU
- › IBM
- › Ibys Technologies
- › ICANN
- › ICE
- › International Gateway Distribution
- › International Herald Tribune
- › International Society for Telemedicine and eHealth Pavilion
- › Internet Pavilion
- › intersat
- › Inveneo
- › IP Magix
- › IP Trade
- › ip.access
- › IPgallery
- › Iran Pavilion
- › IRIS
- › ISfTeH
- › KLEWEL
- › Korea Pavilion
- › L&T Infotech
- › Lake Geneva Region Pavilion
- › Lanetco
- › Laxman Televentures
- › Les Alchimistes
- › LINKdotNET
- › LS telcom
- › MailCleaner
- › Malawi Pavilion
- › Malaysia Pavilion
- › Mandozzi
- › Manifone
- › Marais Group
- › Marben Products
- Information Technology – Saudi Arabia
- › Ministry of Culture and Tourism – Azerbaijan
- › Ministry of Education – Azerbaijan
- › Ministry of Health – Azerbaijan
- › Ministry of Industry and Energy – Azerbaijan
- › Ministry of Information, Communications & Culture – Malaysia
- › Ministry of Justice – Azerbaijan
- › Ministry of Taxes – Azerbaijan

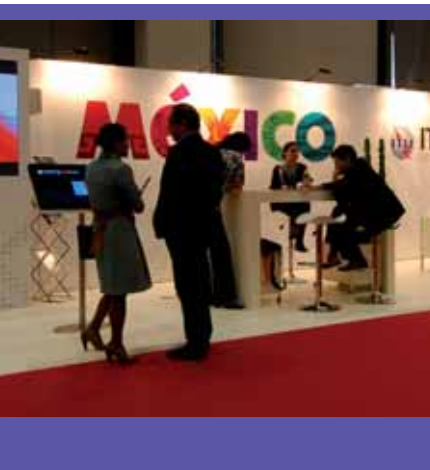


(Fujitsu)



- › Freedom Scientific
- › FTMSA
- › Fuel Cell Markets
- › Fujitsu
- › Galaxy
- › Gasabo 3D
- › Gazprom Space Systems
- › Genesis
- › GEOIMAGE
- › GEROCO
- › Ghana Pavilion
- › GILLAM-FEI
- › Global Market
- › Globtel
- › GMP Tools
- › GO
- › Gobierno del Estado de Veracruz
- › Gowell Telecom Technology
- › Gowex
- › Green WiFi
- › ICOMM
- › IcTel
- › id Quantique
- › Idris Group
- › Idris Invest
- › Idris Telecom
- › IFLA
- › Ifotec
- › IICT-HEIG-VD
- › IMO Publishing
- › India Pavilion
- › Indigo Software
- › Informa Telecoms & Media
- › Information Technology Industry Development Agency (ITIDA)
- › Inmarsat
- › Innova
- › Intel
- › Intellect
- › Intelsat
- › Israel Pavilion
- › ITRI
- › ITU
- › ITU News
- › ITU Publications
- › ITU TelecomTV
- › ITU-IMPACT
- › IXI Mobile
- › IZIVIZ
- › Jain Irrigation
- › Japan Pavilion
- › Jharden
- › Junta de Andalucía – Consejería de Innovacion, Ciencia y Empresa
- › KACST
- › Kathrein
- › KDDI
- › Kemilinks International
- › Kenya Pavilion
- › Kipor Machinery
- › Matrix Telecom
- › MaxCell
- › MAXIS
- › MCMC
- › MEASAT
- › Med-e-Tel
- › Medgate
- › Medigrid CZ
- › Medikidz
- › Meet the Boss
- › MERA Systems
- › Metrodata
- › Mexico Pavilion
- › Microsoft
- › Microtex Energy
- › Ministério das Telecomunicações e Tecnologias de Informação de Angola
- › Ministry of Communications &
- › Misr Information Services & Trading
- › Mitra Energy & Infrastructure
- › Mitsubishi Electric
- › MITYC
- › Mobile Europe/European Communications
- › Mobile World
- › Mobily
- › Mobyle Cash Global Networks (UK)
- › Modular Network Solutions
- › MPDevice
- › MSC Malaysia
- › MSTC
- › MTI Wireless Edge
- › MTN
- › Multi-Links Telkom
- › Multitel

- › National Broadcasting Commission (NBC)
- › Naxoo
- › NCC
- › Nenshi
- › NetEase Tech News
- › NetGuardians
- › Netwings Infotech
- › Network Telecom
- › NetworkMining
- › NeuStar
- › New Artel
- › Nextel – Mexico
- › NHK
- › NICT
- › Nigeria Pavilion
- › NIIR
- › NomaDesk
- › picoChip
- › Pivot Access
- › Plumettaz
- › Portuguese Language Countries Pavilion
- › POWERGRID
- › PTAC
- › Qosmos
- › QSN Technology / ICare Institute
- › QuadGen Wireless
- › Quintel Technologies
- › RACSA
- › Radio Frequency Service (RFS)
- › Raisecom
- › Raya Holding
- › Rays of Hope
- › Seacom
- › SEBIT
- › SEC Industrial Battery Company
- › SECU4
- › Sensomatrix
- › SensorScope
- › ServersCheck
- › SETSI
- › Setu Infocom
- › Shandong Senter
- › Shoto
- › SIG
- › SINAM
- › Siradel
- › Sirius Telecom
- › SISVEL
- › Smart Villages Company
- › Tata Consultancy Services
- › TAYOA
- › TCIL
- › TDIA
- › TE Data
- › Tejas Networks
- › Telcabo Moçambique
- › Telcel
- › Telco Systems
- › TELECOM 2.0/BILLINGOSS
- › Telecom Asia, Telecoms Europe & Wireless Asia
- › Telecom Egypt
- › Telecom Review
- › Telecommunications/Artech House Books
- › Telefonica
- › Telemedia Communications
- › UN Pavilion
- › UNAIDS
- › UNCTAD
- › UNDP
- › UNESCO Pavilion
- › UNICEF
- › Unidata Communication Systems
- › United Kingdom Telecommunications Academy UKTA
- › US Commercial Service
- › UTEL
- › Vanrise Solutions
- › Vasco Data Security
- › VNL
- › Volotek
- › Web Spiders



(Samsung)



- › NOSI
- › NOWTEL
- › NRO
- › NTA
- › NTT
- › NTT DOCOMO
- › NTX Research
- › Nuance
- › Occam Networks
- › OFCOM (Switzerland)
- › Office for Economic Affairs – State of Vaud (SELT)
- › Omatek
- › OptiWay
- › Orascom Telecom
- › Orckit – Corrigent
- › Oscilloquartz
- › P1
- › Peter Service
- › Philippines Pavilion
- › RED.ES
- › Redwood Technologies
- › RFM Wireless
- › Rohde & Schwarz
- › Rosari-IT Services
- › Rostelecom
- › RSCC
- › Runcom
- › Russia Pavilion
- › Rwanda Pavilion
- › RYMSA
- › SAFT
- › SAGIA
- › Sai InfoSystem
- › Samsung
- › SATMEX
- › Saudi Arabia Pavilion
- › Saudi Telecom Company
- › Schmid Telecom
- › SoSoftware
- › Spain Pavilion
- › SPANCO
- › Spb Software
- › Spice Digital
- › SSPF
- › Storacall Voice Systems
- › STPI
- › Supreme
- › Suttle
- › Svyazinvest
- › Swisscom
- › Swissvoice
- › Synchronica
- › Synverse
- › SySDSsoft
- › Sytel
- › SZYHT
- › Tanzania Pavilion
- › Telenco
- › TeleTech
- › Telkom South Africa
- › Texas Memory Systems
- › THALES
- › This is Africa
- › TM
- › Toowup
- › Transition Networks
- › Travelpaper.com
- › TTI Telecom
- › Türk Telekom Group
- › tzNIC
- › Uganda Pavilion
- › UK Pavilion
- › Ukraine Pavilion
- › UKTI
- › ULTRA Company
- › UMTS Forum
- › WiMAX Forum Pavilion
- › WIPO
- › WiSeKey
- › WMO
- › World Telecom Labs
- › Worldcall
- › Wyless
- › Xceed
- › XL Communications
- › Yota
- › Zain
- › ZE
- › Zhejiang Tianjie
- › Zinox Technologies
- › ZTE



.1971



*

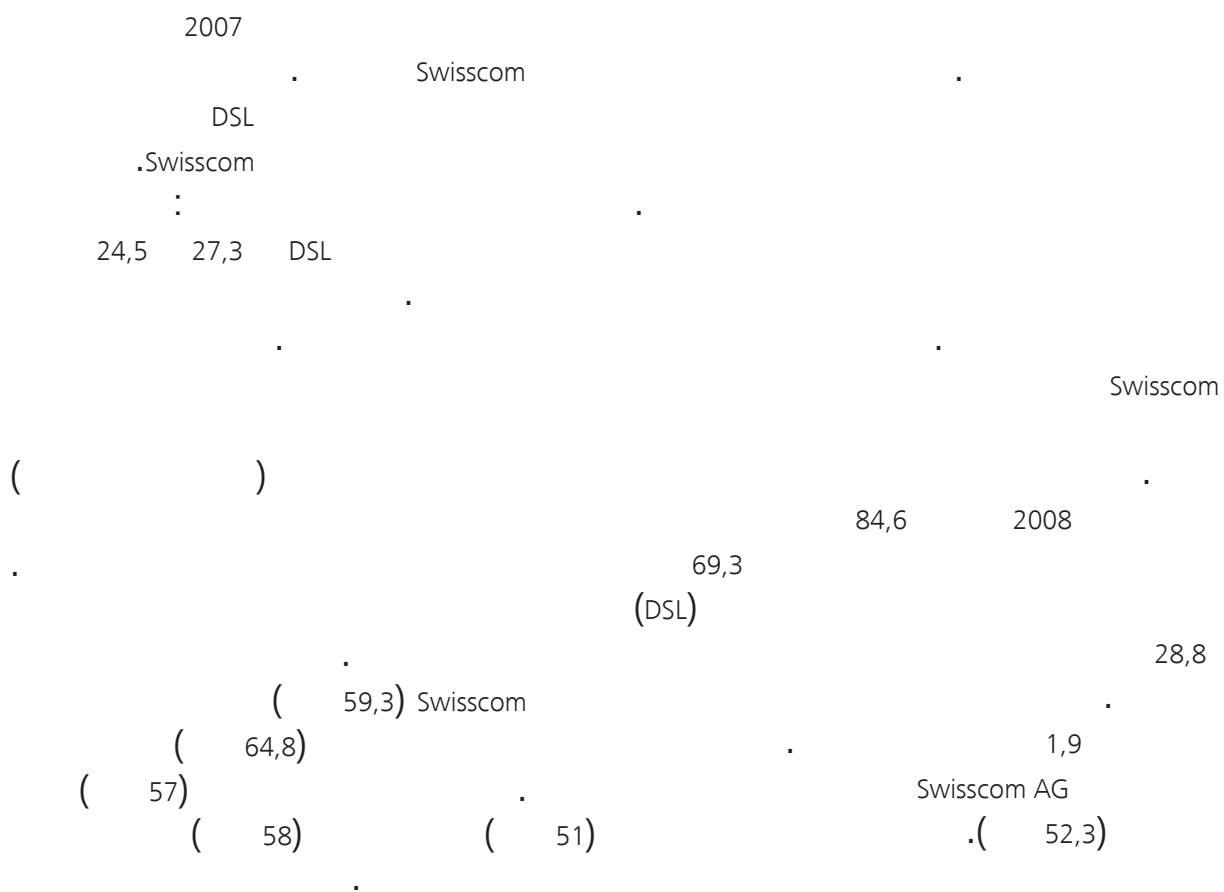
Swisscom AG

.2008 1

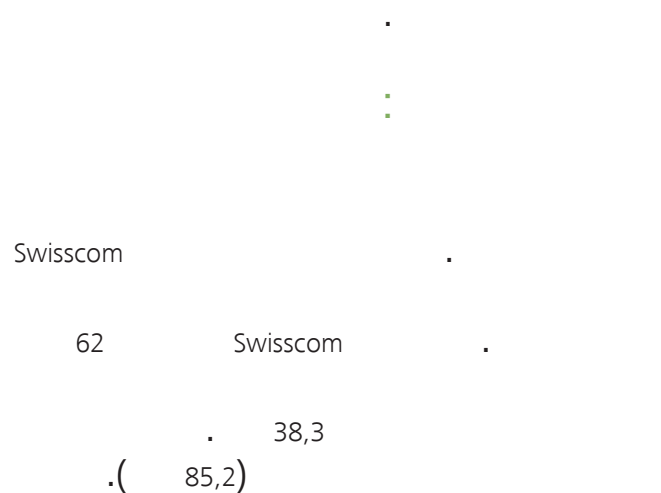
98

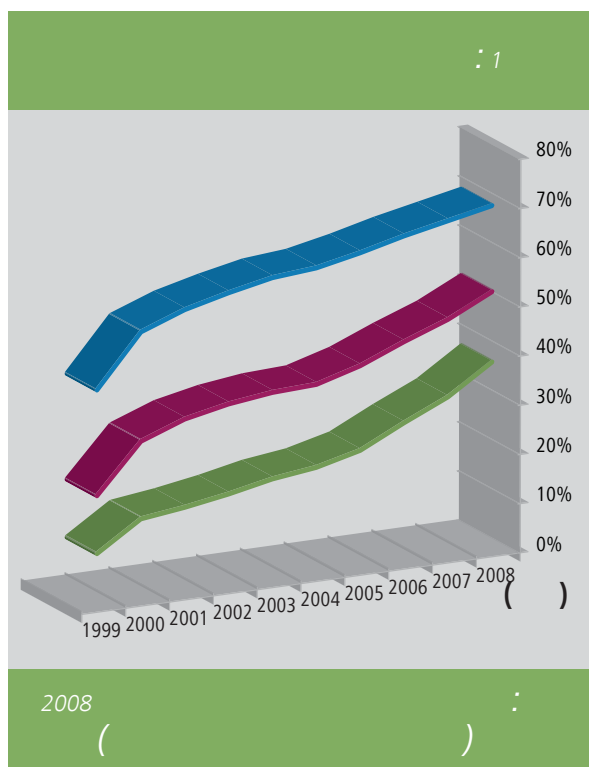
20

*



2008	(100)
64,11	
117,97	
97,60	
76,10	
34,15	





57

1998

)

(.

.(1

2008

40 2005

40

70

2008

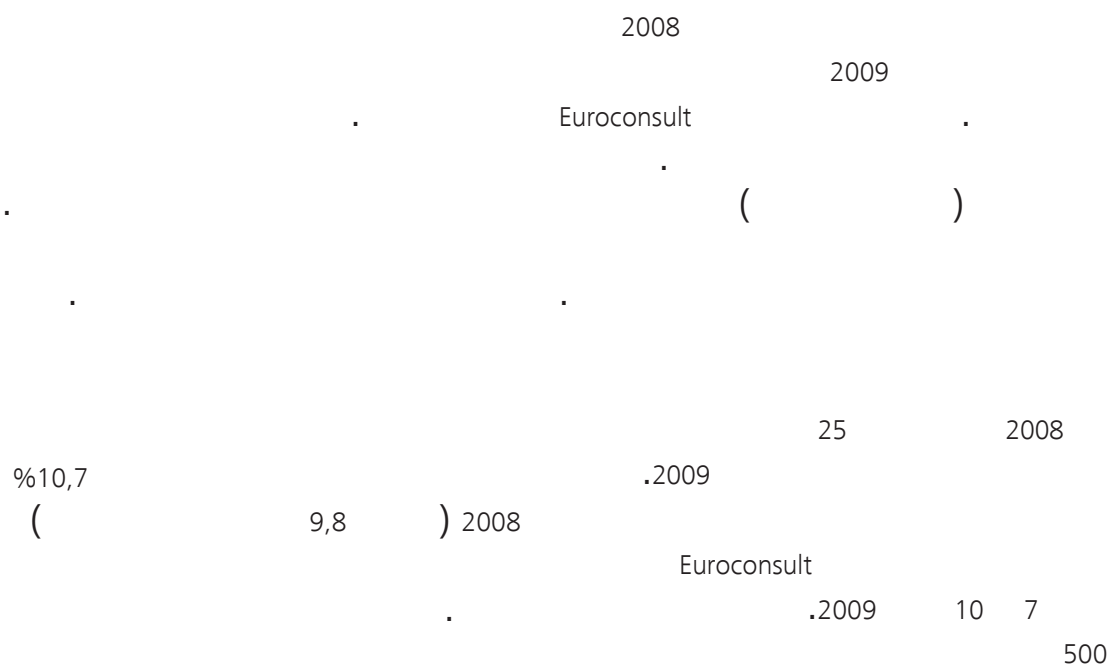
)

.(

EADS

Alphabus
Thales Alenia Astrium

EADS-ASTRIUM



Euroconsult

2008

18

2008

24 000

109

2 900

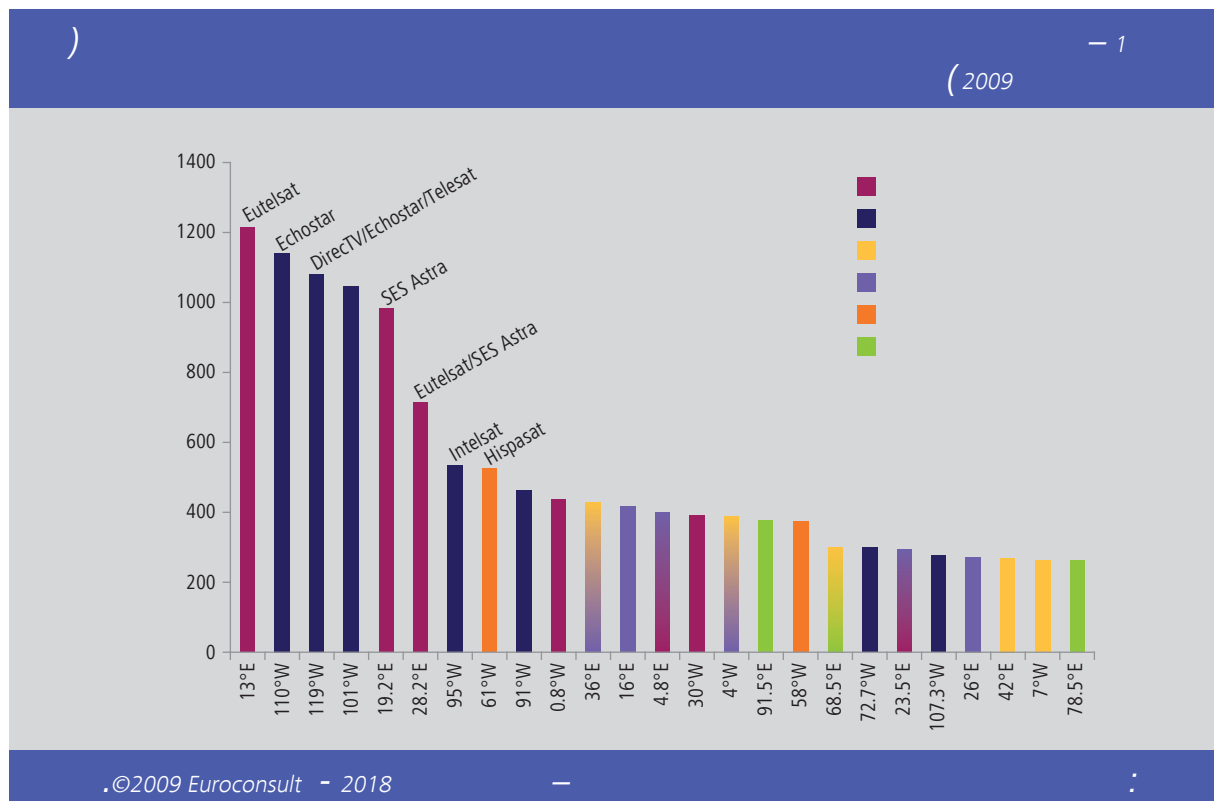
112

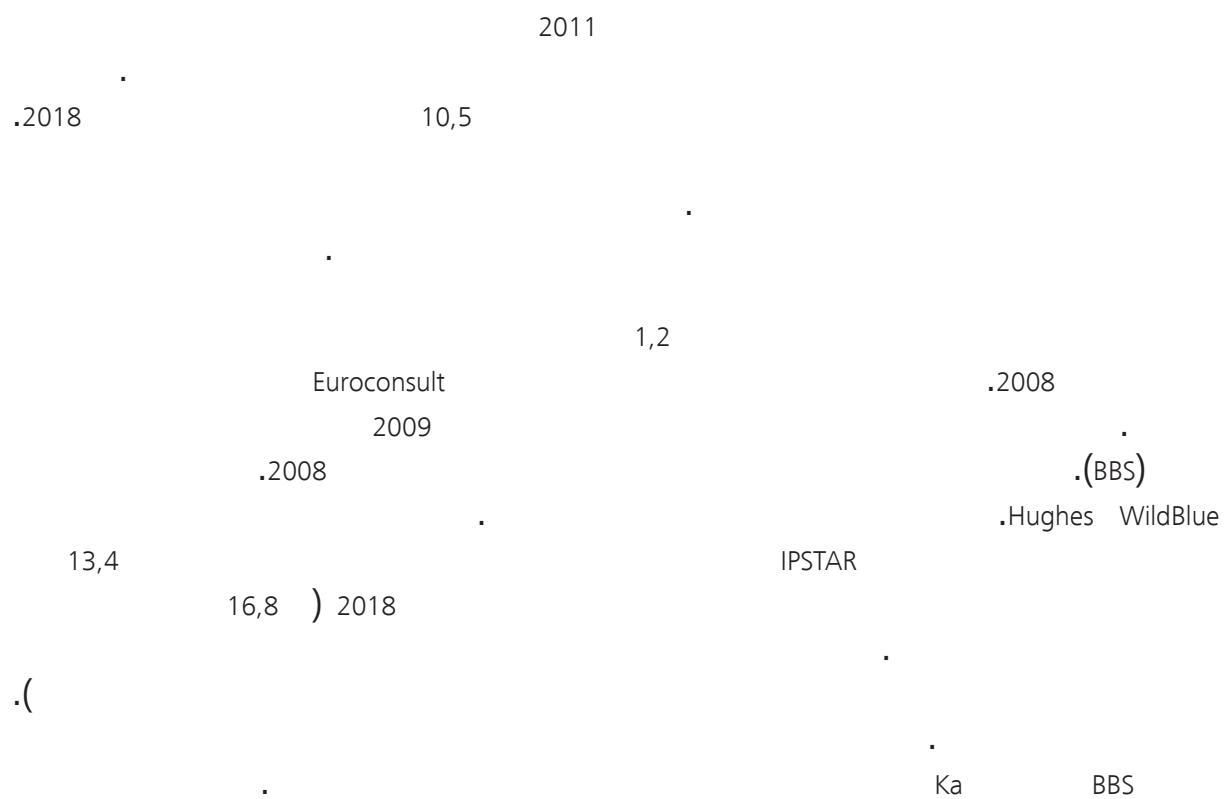
“2018

“2008

2013

%58

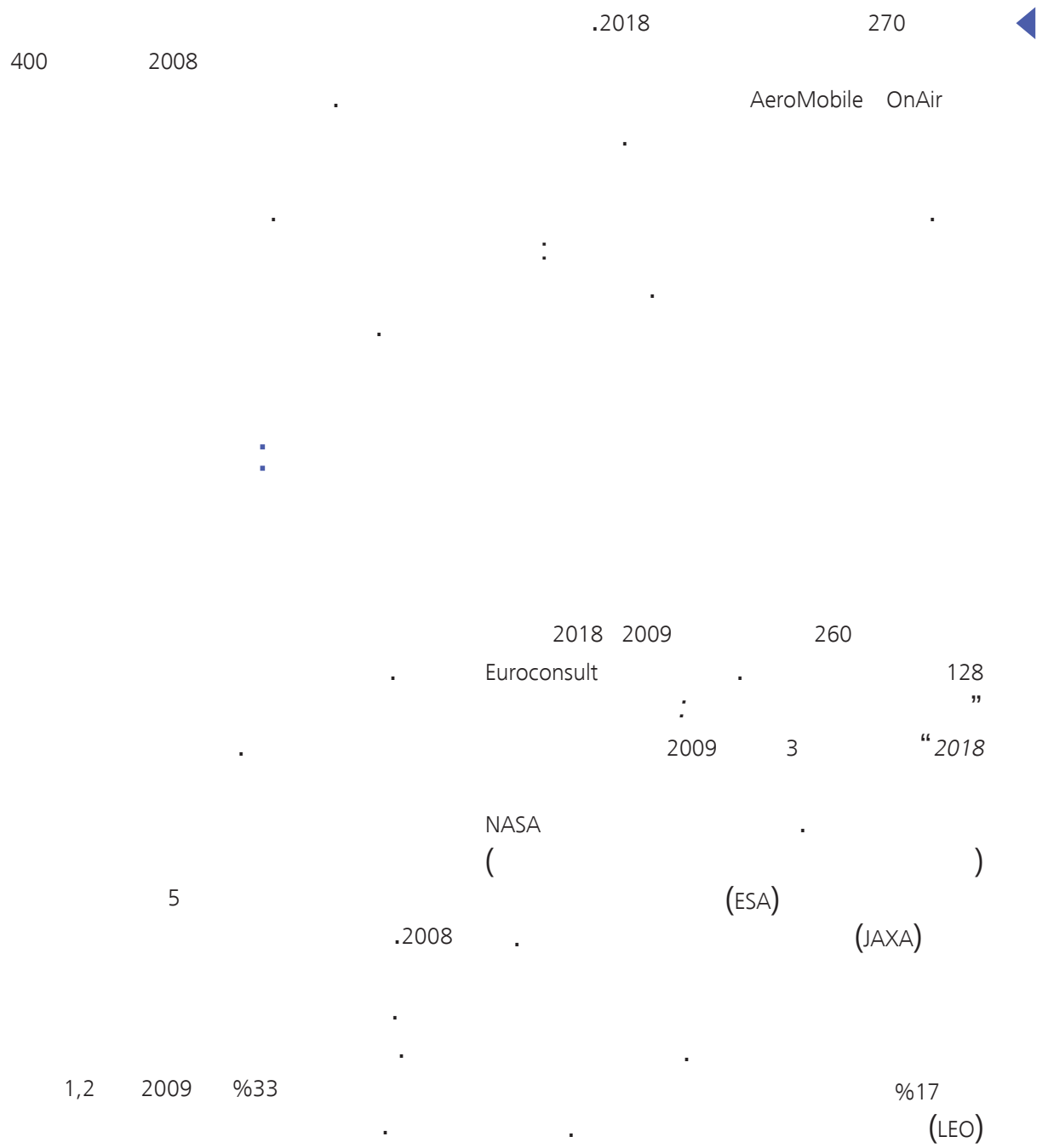


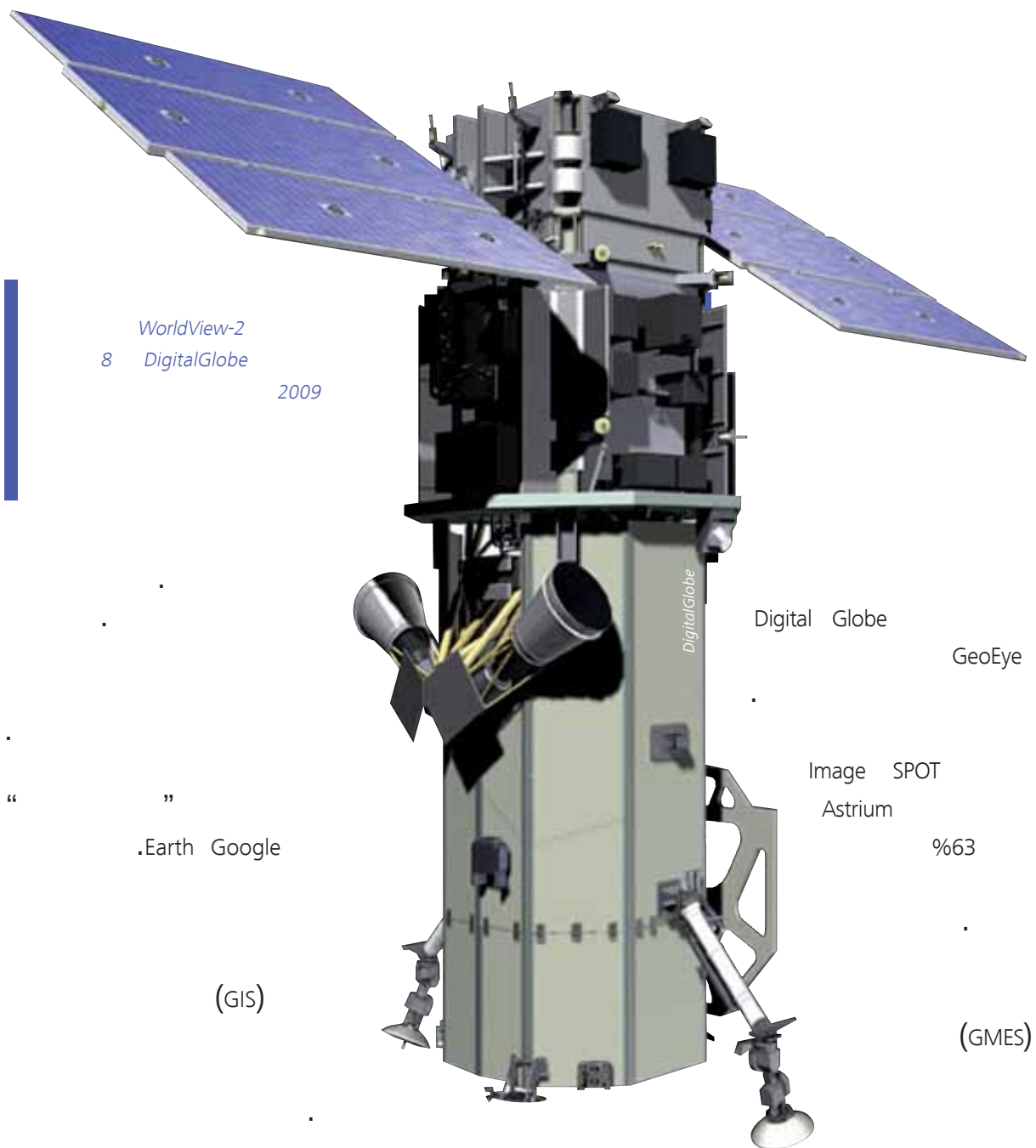




© Nicosan Alamy

	Globalstar		:
Coface		2009	
2,7	Iridium		
.NEXT		2008	1,2 (MSS)
	.		" Euroconsult
Partners APAX	Stratos Global	7	"2018
.Vizada			:
			.2009
	2009	.	
.			"
			-
.			"
			-
%7			.
Euroconsult	2008		





WorldView-2
8 DigitalGlobe
2009

Digital Globe

GeoEye

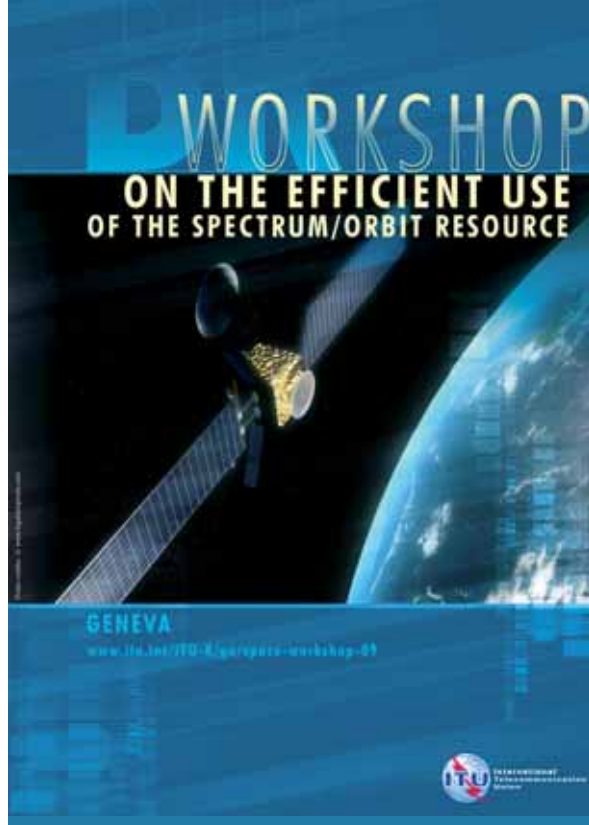
Image SPOT
Astrium

%63

.Earth Google

(GIS)

(GMES)



2006

.2007

2009

“ ”

.2012

()
.2012

)

(



2009

()

. () .2009 30 20 46
2012-2010



()

2010
(WTDC-10)
.2010 4 24
MCIT



2013-2010

2013-2010
2011 2010
.2007

.2012

(ITU-T)
2008

(WTS-A-08)

(ITU-D)
2011-2008
2010

” 2009
“
.2010
”

“.2015

”

“

332 639 000 (WTDC-10)
 169 271 000) 2011-2010 .(PP-10)
 163 368 000 2010
 .(2011

318 000
 .2009-2008

63 600 2011-2010 .

10 600 .
 1 987,50 3 975

2011-2010

” :

“

:
)

(

:2009

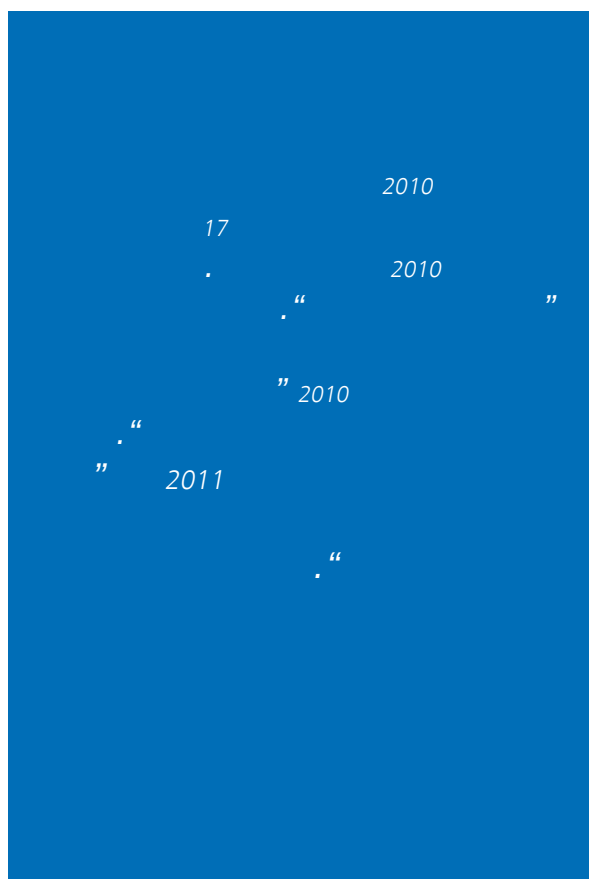
2015-2012

2012



.2010

(WTSA-08) 2008



“ ”

▪

▪



WTSA-08

2009

.(2009

”
“
.2009



2009



”
766



”
“



4 30
(2009) 2009



”
.2009

“
”

13

.2010 22

2010

2009



()

”

2009 5

600

4,6

“

.2009

B

”

“ ”

“

”

“

.1859

1896

“ ”

245

1883 Torpedo

)

1899 1894 (

1900 .km 30
km 47

”

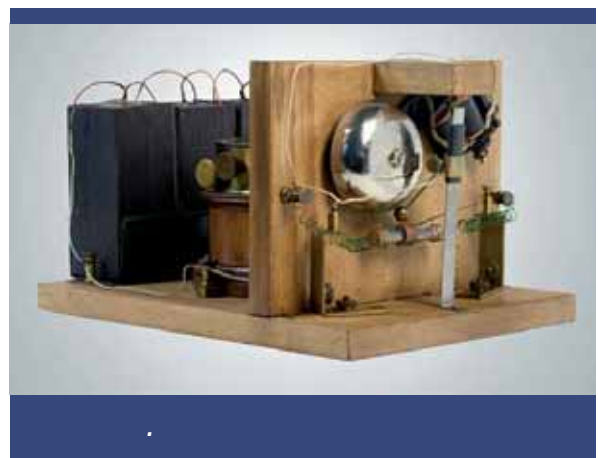
“

1900

1901

1895 7

(7)





2009





/ .

Join us to

Celebrate

the 40th

Anniversary of
ITU TELECOM
Geneva • October 2011



www.itu.int/itulecom



REPUBLIC
AND STATE
OF GENEVA

GENEVA PALEXPO



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Now that life is easier, you have the confidence to accomplish more.

You can smile, you can dare to dream, and you can bring your dreams to life. Now, STC offers you Jawal (Mobile), Hatif (Landline), and Internet services from a single source... for an easier life.

Jawal

Hatif

Internet

www.stc.com.sa



STC

الاتصالات السعودية

easier life

