



Reducing the Digital Gap

The challenges of Australia's geography; it's vast, rugged terrain, and clustered demographics, combine to make the country a difficult land in delivering the Digital Age. A natural fit for next generation satellite technology that closes the digital gap to remote areas.

Telemedicine **Remote Monitoring** Data Broadcasting & Transmission

Unified Communications

Mobile High Speed IP VoIP **E-Learning** Streaming Video **Business TV**

WIFI & Internet Access





"I always see a hero in the man from farthest out"

Banjo Patterson author of Waltzing Matilda.

Jabiru is dedicated to delivering broadband telecommunications to those Aussie "heroes".

Jabiru is "for" Australia, despite the country having been one of only two OECD countries without a space and in-orbit satellite industry it can call its own.

Now all that is changing with the vaunted policy of the National Broadband Network locked in by the Australian Government and leading the satellite charge is the new Jabiru \$800 million dollar twin "next generation" satellite space programme.



Since 2007 Jabiru has been championing the Ka band technology benefits to Australia and now announces not only its intention to participate in the Australian Government's \$43 billion NBN policy in the satellite and allied technology solutions, but now announces a fresh initiative to launch Jabiru-1 in 2012 as a stunning precursor to the NBN satellite developments.

The initial Jabiru-1 satellite will cover Australia, South East Asia, the Middle East and sectors of Africa.

Jabiru will be Australia's first independent commercial satellite operator charting the uplands of the sky in the Eastern Arc.

Jabiru?

The company takes its name from the indigenous term for "stork" and is the only bird of its kind in Australia. Found in the remote regions, the Jabiru is an iconic bird, a strong and unique symbol to fly Australia's space quest.



A solution to the regional communication needs



Jabiru's business approach is to launch and operate "next generation" satellites that provide video, voice and data applications for Australia and other remote regions in excess of 12Mbps.

Broadband speeds that can power a range of satellite applications, that change lives.

Satellite applications can enhance lives in remote regions, developing countries and war zones dramatically and we believe in using this communication technology that we take for granted, to be accessible by all.

With the convergence of video, voice and data technology driving world-wide satellite services revenue growing on average 16% per year since 2003 and a forecasted continuing growth in Ka and Ku band requirements*, Jabiru will focus on providing satellite transponder capacity to commercial, government, NGO and military opportunities in remote regions. As well as providing redundant capacity to other fleet operators.

Jabiru has a \$800 million finance programme comprising of a mixture of equity, debt, enhanced export credit facilities, and hybrid security solutions to fulfil its initial two satellite investment.

*Market statistics are collected from various industry sources



Meeting the commercial demand Jabiru-1

Jabiru-1, Australia's first non foreign owned next generation satellite is scheduled to be launched in the final quarter of 2012.

With an investment of more than \$300 million, the hybrid Ku, Ka and C band next generation satellite will be located to target Australia, South East Asia, The Middle East, and sections of Africa.

Jabiru-1's design, build, slot allocation, launch, insurance, consulting, TT&C, banking and finance are in advanced stages of completion with contracts expected to be exchanged in the second quarter 2010. Pre-commitment on Jabiru-1 for Ku capacity are substantial as at January 2010, 32 months ahead of launch.

South East Asia Satellite Band Forecast Average Growth*

	2008	2015	
Ku Band	\$318M	\$518M	
Ka Band	\$0M	\$4M	
HTS	\$16	\$77.9M	2

* Market statistics are sourced from Northern Sky Research and quoted in US Dollar

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Middle East and North Africa Band Forecast Average Growth*

	2008	2015
Ku Band	\$579M	\$853M
Ka Band	\$5.7M	\$65.9 <mark>M</mark>
HTS	\$0	\$32.5M
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Jabiru-1 Technical Information		
Launch Date	Q4 2012	
Launch Mass	5,400 kg (approx)	
Operating Band	Ku FSS, Ka, C & X	
Estimated Commercial Payload	Ku-Band: min 30 Ku-Band channels (150W) Ka-Band: min 15 Ka-Band channels (130W) C-band: min. 8 C-band channels (100W)	
Estimated Civil Payload	X-band: min. 2 X-band channels (undisclosed)	
Polarization	Ku-Band: Linear Ka-Band: Linear C-band: Circular	
Target EIRP @ Beam Center	Ku-band: 56 to 50 dBW C-band: 44 to 36 dBW	



Delivering on the promise to the Australian Government Jabiru-2

In 2007, Jabiru initially announced the proposal to launch and operate a Ka band satellite to provide coverage across Australia and invited the then Howard Australian Government to participate in a "dollar for dollar" launch programme.

Jábiru -2

Eighteen months later in April 2009, the Rudd Australian Government announced a 43 billion dollar National Broadband Network (NBN) initiative which includes provisions to deliver two "next generation" satellites and wireless services to up to ten percent of the Australian population.



Proposed coverage catchment for Jabiru-2

Jabiru has been an active supporter of this recent government policy and has been and remains vigorous in developing its Jabiru-2 satellite programme to meet the needs of the NBN with a range of features unique to Jabiru. While the business case is inextricably linked to the NBN, it is envisioned that this 'next generation' satellite could be delivered in the 2013 calendar year, fully supported on Australian soil.





Functional Separation of Jabiru Limited Jabiru NewSat^{*} Jabiru-1 Jabiru-2 Administration TT&C Sales Agent Sales Agents

Our People

At the very centre of our success, lies a highly skilled and visionary team of professionals with unparalleled commitment to launching the Jabiru fleet of satellites for Australia.

Jabiru currently employs a wide range of specialist skills from leading world wide advisors and draws upon the knowledge from staff at Australia's largest independent satellite communication company, NewSat.



Key People



Richard Green Chairman (Newsat Limited)

Richard Green is a prominent Melbourne businessman with 50 years of stockbroking and financial markets experience. Richard commenced working in stock broking in 1962 with JB Were, then spent time in the U.K. with the leading firm Ord Minet and eventually relocating to Australia to commence his own stockbroking business. He was formerly Chairman of the Alpine Resort Commission for 7 years and has a chaired and been on the board of numerous other listed and unlisted companies.

Richard joined the board of NewSat as Chairman in August 2009



Chuck Ellison Deputy Chairman (Newsat Limited)

Chuck Ellison was a major figure at IT industry giants, Microsoft and Ashton Tate and was a key executive in many start-ups initiated by Microsoft co-founder Paul Allen. Today Chuck advises and consults to multiple US based technology start-ups.

Chuck joined the board of NewSat in 2002 and has been a valuable contributor to NewSat's growth.

Adam Shapiro Chief Financial Officer

& Company Secretary (Newsat Limited)

Adam Shapiro has a background in finance spanning over a decade that includes working for professional service firms PriceWaterhouseCoopers LLP in Boston, USA and Ernst & Young in Melbourne, Australia.

Joining NewSat in May 2007, Adam has instilled new financial practices and disciplines into the business and worked closely with the CEO, Board and the executive management team in fine tuning the Company's business model, the key business performance metrics, forecasting and the long term business plan.



Adrian Ballintine

(Newsat Limited) President (Jabiru Limited)

Adrian Ballintine founded the company now known as Newsat Limited in 1988.

Originally formed to launch technology start ups, success came early in the guise of

 Gupta Technologies listed NASDAQ 1992

 Asymetrix Inc listed NASDAQ 1996

• Multiemedia listed ASX 1999

Ballintine also co-founded Ansearch ASX listed 2004 and was a business partner of Microsoft co-founder Paul Allen in various listed and nonlisted ventures from 1993-2003.



Robert Jolly Director - Commerce

(Jabiru Limited)

Rob Jolly has been a marketing leader in technology since 1986.

Launching and developing a host of brand from startups to global entities, he has been involved in IPO's onto the ASX, VSX, Nasdaq and brokered M&A activity and private equity placement.

Rob was recently Vice President of Marketing and Stakeholder Relations at NewSat Limited and holds a Bachelor of Economics from Monash University Australia.Senior Project Team



Mike Kenneally Chief Operating

Officer (Jabiru Limited)

Mike Kenneally has over thirty years global ICT & satellite experience.

During his career, Mike has worked or acted as a consultant for the Department of Defence, IBM, the California Highway Patrol, Los Angeles County, General Electric, Fujitsu Europe, Telstar/Lockheed Martin and Telecom NZ.

Mike was technical auditor for the first spatial census of Australia in 1996 and solution architect for the winning bid for the Australian defence spatial system. Mike was also the founding Director of Australian Private Networks in 2001.

Mike was recently Vice President of Planning and Development at NewSat Limited.

1993-20



Shane Watts Chief Technical Officer (Jabiru Limited)

Shane has over

twenty years of broad experience across the **Telecommunications** Industry with extensive expertise in Internet Services, high-end systems architecture. multiple VSAT platform design and implementation, RF engineering, data, voice and wireless transmission engineering, and a wide variety of design, deployment, optimisation, and operations.

Shane holds an Honours degree and several Bachetor's degrees in Science and Information Technology and has worked at NewSat Limited since its inception.



Garry Sholl Vice President

Vice President - Capital Markets (Jabiru Limited)

Garry Sholl, was CEO and founder of Sholl Communications (Aust), an Australian telecommunications company.

Garry has over 25 years experience in developing commercial relationships with technology and commercial organizations around the world.

He is member of CEO Institute and Graduate of the Australian Institute of Company Directors GAICD.



Project support





A distinct link between success and teleport ownership

One of the most crucial elements in the life of a satellite is its support mechanism. While structurally separated from Jabiru, NewSat Limited, Australia's largest independent satellite communications company, with teleport facilities in Adelaide and Perth, Australia, remains the underpinning heart of the operation.

NewSat's unique -to-Australia infrastructure will provide Jabiru with access to redundant Telemetry Tracking & Control capabilities and a ground station segment with more than 1200 contracts to government, corporations and private enterprises.

With many year's experience in the satellite communications market, NewSat's dedicated team of fifty specialist staff will help Jabiru with administration, technical support, teleport services and sales of transponder capacity on Jabiru-1 to vendors in the region with specific requirements.

Key Facts at a glance

23 antennas ranging from 2.4 to 13 metres in size

Uplinking to 13 geo-stationary satellites across C & Ku band

Interconnected to terrestrial fibre networks and the internet backbone

Defence accredited

24 x 7 x 365 on-site Network Operations Centre



NewSat

Count Down Begins

Since 2007, Jabiru has emerged to become Australia's first independent commercial satellite operator and is scheduled to launch the first next generation GEO-stationary satellite for the Australian hero in 2012. The company is continuing to chart the uplands of the sky with next generation satellites for Australia powered by Australians.

7 facts about Jabiru

Is backed by NewSat Limited (ASX:NWT) a leading, independent, satellite communications company in Australia with major teleport facilities in Perth and Adelaide that is traded on the Australian Stock Exchange and has ZERO debt

Is well positioned to build, launch and operate a 'next generation' hybrid satellite and is on target to meet its milestones

well advanced in its funding of both satellites and is confident of early success in this regard

Has a solid foundation for organic growth with strong pre-sales interest in a market that is growing 16% per annum and has substantial Ku capacity pre-commited

Will be positioned to provide Ka, Ku and C Band coverage across multiple territories with demand driven by military activities and mining, oil and gas markets, all of which are key revenue drivers for Newsat

Is participating in providing a solution to the National Broadband Network (NBN) satellite strategy via a Ka band service covering Australia

Has a team of professionals with many years satellite communication experience, backed by internationally respected consultants



To further explore how Jabiru can connect you to Australia's first next generation satellite, whether as a client, investor or supplier, please register your interest today.



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Like to keep up to date with the latest satellite launch news, as it happens? Sign up at: www.jabiru-sat.com