

WORK

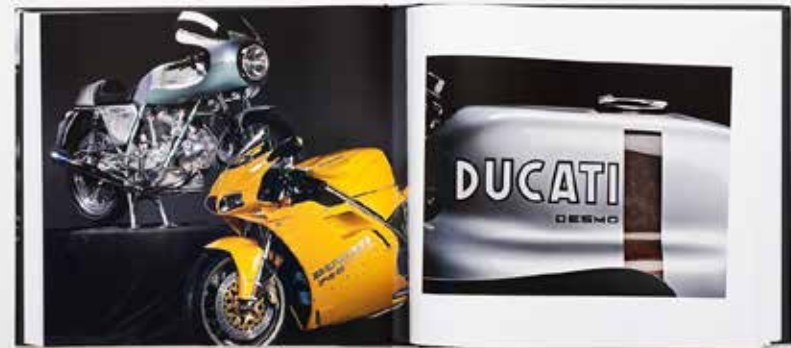


PUBLISHING

CLIENT
GTI MEDIA

**Ducati — A Photographic
Tribute by Phil Aynsley**

228 page hard cover book
celebrating 30 years of
photographing all things
Ducati.



PUBLISHING

CLIENT
GTI MEDIA

**Ducati — A Photographic Tribute
by Phil Aynsley**

Special edition box set,
signed by Phil Aynsley and
Troy Bayliss featuring limited
edition prints, certificate and
handling gloves.



PUBLISHING

CLIENT
GTI MEDIA

Transforming Australia
The Broadband Revolution
and the Digital Economy

180pp flexicover book outlining the benefits of the National Broadband Network, featuring in-depth analysis from leading Australian industry experts and supplemented with real-life case studies and specially selected corporate stakeholders.



THE WORLD IS OUR YABBIE

Australia is on a new wave of innovation, according to Tim Harcourt, one that will enable us to conquer our tyranny of distance and make us more competitive globally.

As a large land mass with a small population at the bottom of the world Australians have often been obsessed with conquering distance. Australia may be the world's smallest continent, but it is a continent that is the whole nation — or in the famous phrase, "a continent for a nation and a nation for a continent". Australia is also the world's largest island with vast distances to travel within and beyond our shores. It is this obsession with distance that has made Australians think so much about transport and infrastructure. Shipping lines and freight rates matter so much not just to exporters and importers but to the whole Australian nation; the advance of air travel really benefited Australia. For example, the large 747 jumbo jets caused a revolution for our tourism industry and immigration and, these are constant debates in public policy about new roads and rail links not to mention the chatter about a second airport in Sydney. Australia's obsession with distance was intellectually brought to the fore of our national psyche when the famous economic historian Professor Geoffrey Blainey wrote his ground breaking book *The Tyranny of Distance* in 1966. Blainey covered the length of time it took ships to bring supplies to the early convict colonies of NSW and Van Diemen's Land (Tasmania), the importance of whaling in the early days of the Australian economy, how we moved

the whole clip around the world, the impact of transport from Cobb and Co horse and cart around the gold fields and, sailing in the 1850s to the introduction of the passenger liner, the steam train and the motor car in later years, even before the dawn of aviation. When Geoffrey Blainey reflected on his seminal work, he opined: "Sometimes I think people take the phrase further than it should have been taken and certainly than the book intended. My book is essentially about people and commodities, and for them the cost of distance has actually been high. But for ideas the freight has often been cheap. In the history of this land, ideas have usually lagged with relative ease across the ocean and even across inland." As Blainey notes, the capacity of Australia to engage in the world of ideas has been cheap relative to the cost of transporting physical goods across the globe. But even in the world of communications, we have seen mini-revolutions that have helped Australians engage with the world of commerce and the whole global community. And trade and investment has been an integral part of the different waves of development in communications that has brought the world closer to Australia and in turn Australia closer to the world.

In the first wave, back in the nineteenth century, Siemens helped open up the outback by providing the technology and infrastructure to allow the Adelaide to Darwin telegraph to be completed thereby linking Australia with London and throughout the world. In the second wave, in the twentieth century, we saw the advance of short wave radio, television, and other advances to accompany the great leaps in transport infrastructure so familiar to us all. Further advances were made in satellite technology which accelerated the pace of communications further. In the third wave, as the twentieth century gave way to a new century and a new millennium, the information age and the introduction of the internet, e-commerce and digital technologies allowed a whole new generation of exporters — particularly those in rural and regional Australia — to engage in the global market place. For example, Mary Henke, a 'Yabbi grower in Kulerin in the Western Australia wheat belt, set up a website to sell her produce to Perth and ended up getting orders from Hong Kong, Singapore and the United States and 'accidentally' became exporter of the year. And she was not alone. According to Austrade/ABS research at the time, 50 percent of all exporters were 'accidental' as the advance of e-commerce made it possible to market to the world.



IT IS ABOUT CREATING EXTRAORDINARY NEW WAYS OF CREATING WEALTH. IT IS ABOUT TRANSFORMING NEW WAYS TO HAVE THE WAT CONVERSATIONS WITH OUR CUSTOMERS, CONSISTENTS, COMMUNITIES, AND IT IS ABOUT SOLVING OLD AND MISSED PUBLIC POLICY AND COMMUNITY PROBLEMS THAT HAVE PREVIOUSLY STUMPED US.

that might be a bit more than a book. It's about creating extraordinary new ways of creating wealth. It's about transforming new ways to have the wat conversations with our customers, consistents, communities, and it is about solving old and missed public policy and community problems that have previously stumped us.

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Australia's tourism market is a relatively new age industry that has grown significantly from the end of the Industrial Age in the mid-1950s into the current Infotronics Age that is expected to last until the late 2040s, writes Phil Ruthven*.

A NEW AGE IN TOURISM

The other 20 per cent of growth will be the result of a new wave of innovation, according to Tim Harcourt, one that will enable us to conquer our tyranny of distance and make us more competitive globally. Australia is on a new wave of innovation, according to Tim Harcourt, one that will enable us to conquer our tyranny of distance and make us more competitive globally. Australia is on a new wave of innovation, according to Tim Harcourt, one that will enable us to conquer our tyranny of distance and make us more competitive globally.

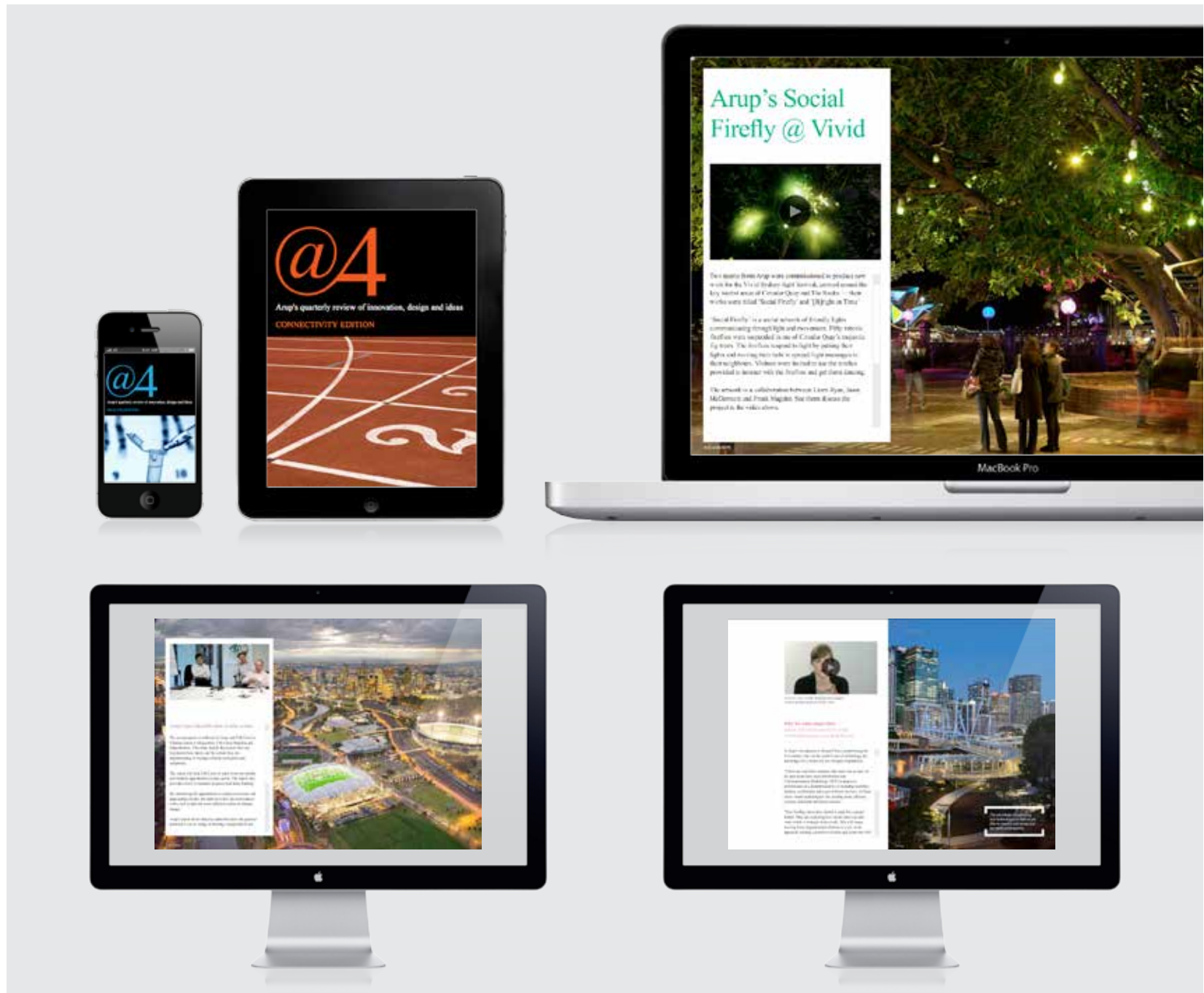
IDENTITY / DIGITAL / PUBLISHING

**CLIENT
ARUP**

An engaging emagazine that would match and complement Arup's innovations in design, engineering and planning for their Australian and SE Asian market as their signature communications platform.

In addition to the graphic design and IT build, Gti produces all written content including the production of vodcasts and podcasts. Now in its second year of production, Arup achieves over 70% open rate for @4 and the platform is soon to be rolled out across all of Arup's worldwide markets.

Gti's Swwwipe emagazine platform is designed to work on all mobile, laptop, tablet and desktop devices ensuring accessibility for all readers. The magazine's articles have often been picked up by leading media outlets, such as Radio National's *By Design* program.



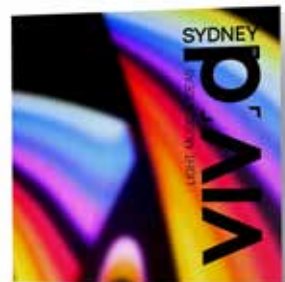
PUBLISHING

**CLIENT
EVENTS NSW**

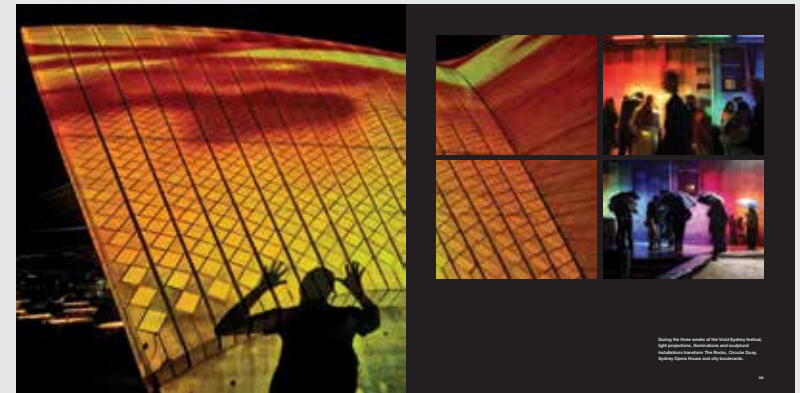
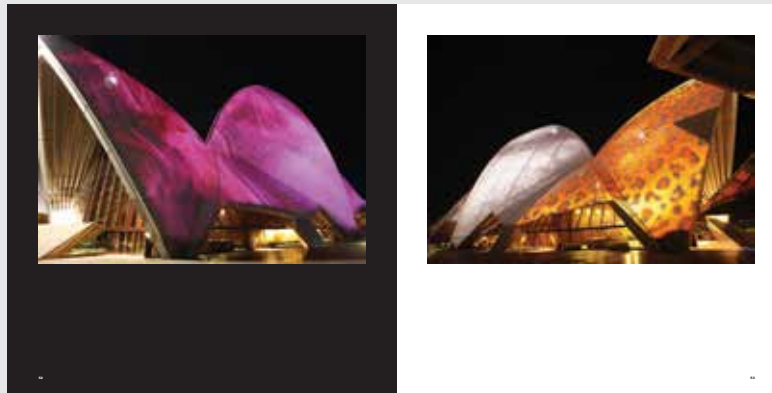
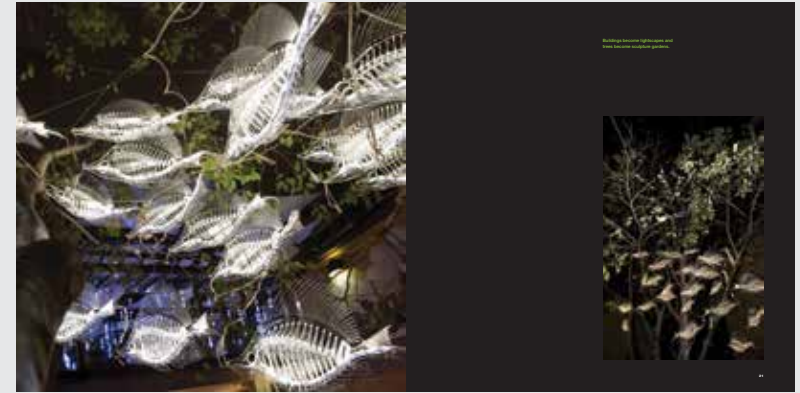
Vivid – Light, Music & Ideas

Commemorative book commissioned by Events NSW to celebrate the first three years of Sydney's internationally renowned and highly successful Vivid festival.

Distributed to key stakeholders and via targeted channels to government and corporate audiences as a tool for increasing the profile of the event and generating future support, both domestically and internationally.



International artists from 150 countries have been invited to create light art installations for the festival. The festival is a celebration of light art, music and ideas. It is a celebration of the city of Sydney and its vibrant culture. The festival is a celebration of the city of Sydney and its vibrant culture. The festival is a celebration of the city of Sydney and its vibrant culture.



During the three years of the Vivid Sydney festival, light art installations, performances and displays have illuminated the Opera House, Sydney Opera House Plaza and city landmarks.



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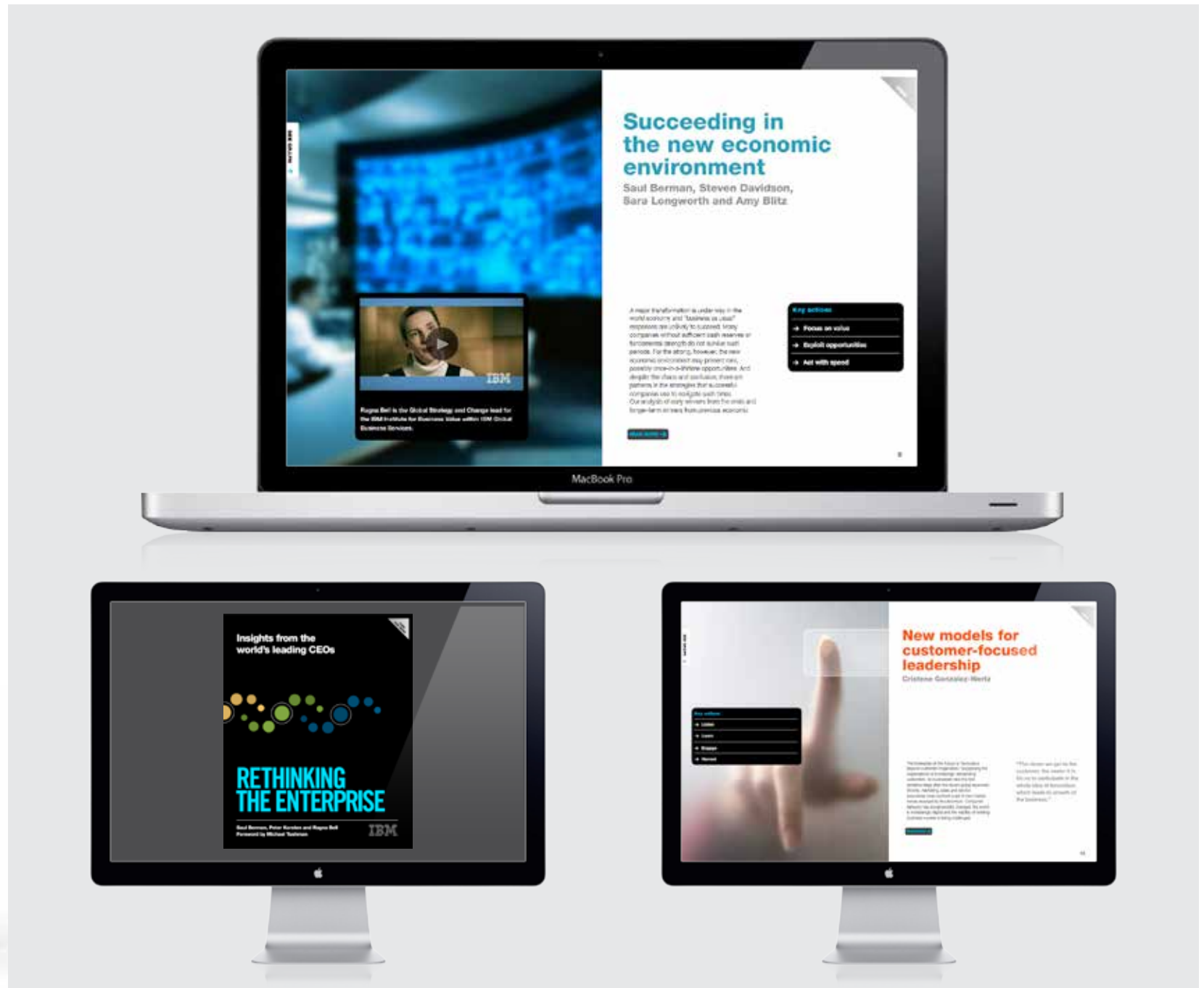
DIGITAL / PUBLISHING

CLIENT
IBM

IBM Global Business Services selected Gti to produce a complex and critical survey: *Rethinking the Enterprise*.

To understand how the successful Enterprise of the Future will look, Gti worked closely with IBM, who conducted in-depth interviews with more than 1,000 CEOs, senior managers and senior public sector leaders from around the world. These conversations, together with statistical and financial analyses, provide a unique perspective on the future of business and the key traits required to thrive in the new economic environment.

As well as a deluxe paperback, Gti produced an innovative digital publication to communicate the CEOs' messages worldwide.

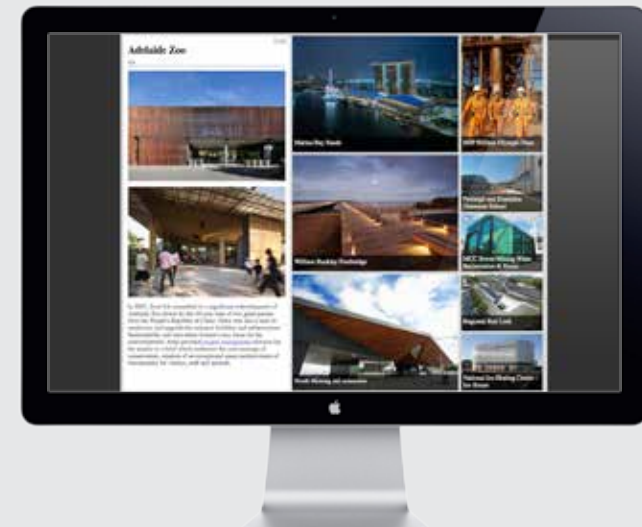
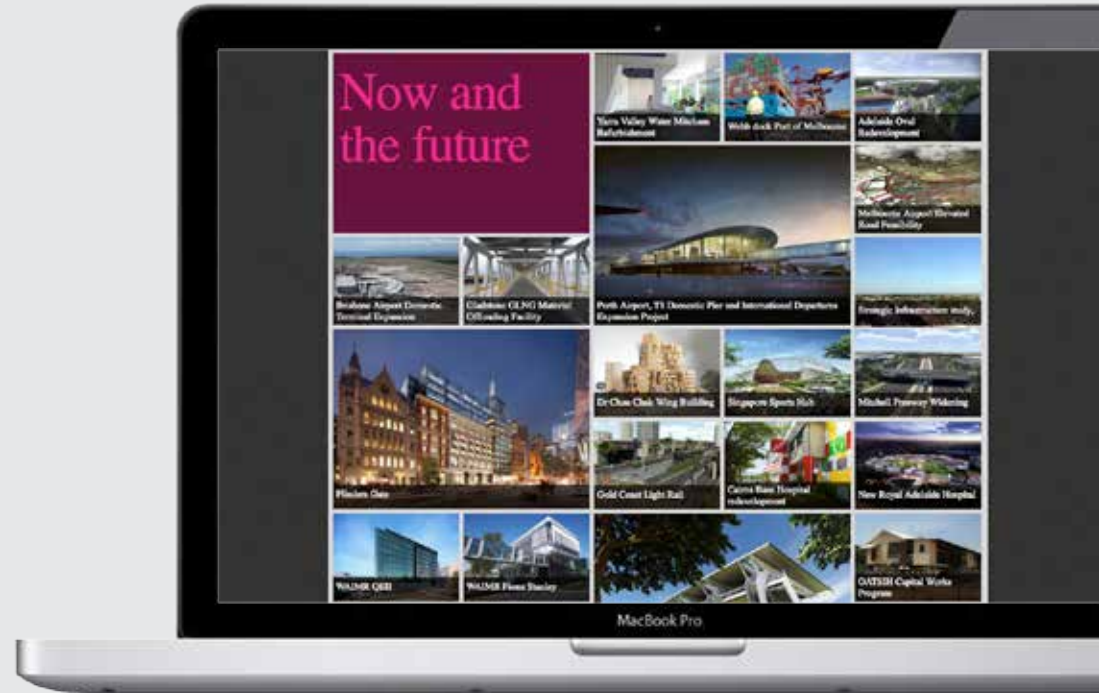


DIGITAL

CLIENT
ARUP

Due to the successes Gti is having in raising Arup's profile with their @4 emagazine, Gti was given the challenging task of building a complex yet engaging website that could showcase Arup's achievements in Australia over the last 50 years.

Gti built a software program that allowed each project to be displayed in detail. Viewers were then able to post to social media as well as to a dedicated Arup Facebook account. Although only meant to last a year, the popularity of the project has been such that Arup have decided to keep the timeline up for a further two years.



COLLATERAL / DIGITAL

CLIENT
NSW GOVERNMENT DEPT OF
PLANNING AND INFRASTRUCTURE

Gti was commissioned by the Department in 2013 to produce all their major design work for all media and its stakeholders.

Gti has produced motion graphics, complex infographics, posters, brochures, fact sheets, microsites, enewsletters as well as photographic and video work.

In addition Gti produced a successful media campaign for their demographic projects that included interactive maps and charts across all the local government regions across NSW. The project was picked up and received very well by Fairfax Media as well as ABC local and National radio and social media.



A Message from the Minister

Before the NSW Government was elected in March 2011, investors and the community had lost faith in the planning system. Housing construction had faltered, further weakening NSW's economy. Infrastructure was not keeping pace with our growing population and the community was angry at being left out of major planning decisions.



The Government – through the Department of Planning and Infrastructure – is changing this by delivering a planning system that encourages sustainable growth, boosts housing and creates jobs in partnership with local councils and communities.

- ✓ We've returned decisions about many local matters to councils, and restored confidence in planning by increasing transparency and engaging more with communities. Investors and the community can now have full confidence that all proposals are determined purely on their merits.
- ✓ We've de-politicised the decision-making process by having almost all major projects decided by independent bodies such as the Planning Assessment Commission or Joint Regional Planning Panels, rather than the Minister.
- ✓ We've embarked on major reform of the State's planning laws, led by two respected former Liberal and Labor ministers – Tim Moore and Ian Dyer. These bipartisan and unprecedented level of consultation across the state allowed them to hear feedback from the community and a wide range of stakeholders about what change to implement.

✓ We've boosted housing, jobs and economic activity by removing obstacles in the planning process. Annual dwelling approvals reached their highest level in Sydney since 2005/06. The construction sector alone contributed an extra \$276 million to the state's economy in 2011/12. This was encouraging and shows we are on the right path.

✓ We continue to listen to what you've told us, and we are now delivering on our commitment to make the state's planning system a key economic driver that boosts investment and jobs and eases the cost of living.

✓ This booklet highlights the planning initiatives the Government has taken to enhance the lives of people in NSW over the past two years. We are putting in place a new framework to deliver more housing and jobs to create vibrant places in which to live, work and relax.

Restoring integrity and transparency

Local planning powers restored to communities through councils

Decision-making de-politicised

Part 3A abolished

25% increase in Sydney housing approvals over two years

18,186 new homes completed in Sydney in 2012 (highest level since 2006)

Made residential aged care facilities safer, with new fire sprinkler laws

Boosting housing supply

For most of the past decade, housing supply in NSW hasn't kept pace with population growth, leading to shortages in many areas and higher prices.

We identified that the housing shortfall of 17,000 homes over the previous five years had to be turned around urgently.

We responded by setting up a powerful Cabinet committee to clear the way for thousands more new homes in the right locations. Some are in established suburbs, some in greenfield sites, but importantly they both provide choice, and options for different budgets.

This led us that new homes need to be near jobs, shops, schools and transport. As a result, the Government is now delivering thousands more homes close to key infrastructure. Where more infrastructure is needed, we are getting on with the job of delivering it to create attractive, liveable communities.

MORE HOMES AND HOME SITES

- ✓ Facilitated a 20% jump in Sydney housing approvals over two years to 24,360 in 2011/12
- ✓ Facilitated construction of 18,186 homes in Sydney in 2012 – the highest number since 2006
- ✓ Introduced a long-term plan to deliver up to 172,000 new homes near jobs and infrastructure in 44 new and existing locations
- ✓ Planning land to thousands more homes across NSW in partnership with councils through Standard Instrument Local Environmental Plans (SILEPs). Delivered an annual average of 27 SILEPs – compared to the previous government's annual average of 6 SILEPs.

CUTTING RED TAPE

- ✓ Expanded the range of homes that could be approved within 10 days by including houses on smaller lots and townhomes in the general housing codes
- ✓ Streamlined council assessment processes to deliver housing more quickly in Sydney's Central Business District
- ✓ Simplified the assessment process for new homes by reducing overly complex and conflicting development controls
- ✓ Provided a scheme to create potential home sites across NSW from land zoned up in irregular and restrictive paper subdivisions.

BOOSTING THE ECONOMY

- ✓ Provided delivery of new new apartments and townhouses in existing suburbs, making homes more affordable
- ✓ Reduced infrastructure costs by up to \$200 per residential lot in the Greater Sydney Area.

SYDNEY HOUSING APPROVALS

Year	Approvals
2007/8	~10,000
2008/9	~10,000
2009/10	~10,000
2010/11	~10,000
2011/12	~24,360

SYDNEY DWELLING COMPLETIONS

Year	Completions
2007	15,700
2008	14,000
2009	13,200
2010	14,000
2011	15,400
2012	18,186

We've heard the message – not only do people want more new housing, it needs to be near jobs, shops, schools and transport

BOOSTING HOUSING SUPPLY – A CASE STUDY

Michele Gomez and her family Jason are getting married soon, and the opportunity to buy, design and build their own house near family and friends was a dream start to their new life.

Jason and Michele both work locally and were hoping for a new housing development close by. When we heard about Michele, we couldn't believe our luck, Michele said.

Caddis is a new residential community planned by UrbanGrowth NSW. Located east of Parramatta near the University of Western Sydney, the new release area will accommodate about 1,200 dwellings when completed. UrbanGrowth NSW is also developing land nearby with space for 2,000 ongoing jobs.

"We really wanted to stay in the local area. We know that western Sydney will only continue to grow, so we both have considerable understanding on our first big project together," she said.

"The best Caddis is being developed by UrbanGrowth NSW gives us confidence knowing the development will be a quality one."



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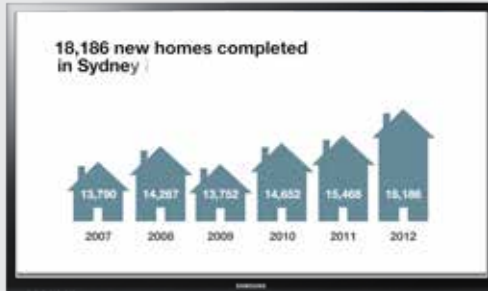
Made fire sprinkler systems in all residential aged care facilities safer



The Government – through the Department of Planning and Infrastructure – is changing this by delivering a planning system that encourages sustainable growth, boosts housing and creates jobs in a transparent manner in partnership with local councils and communities.

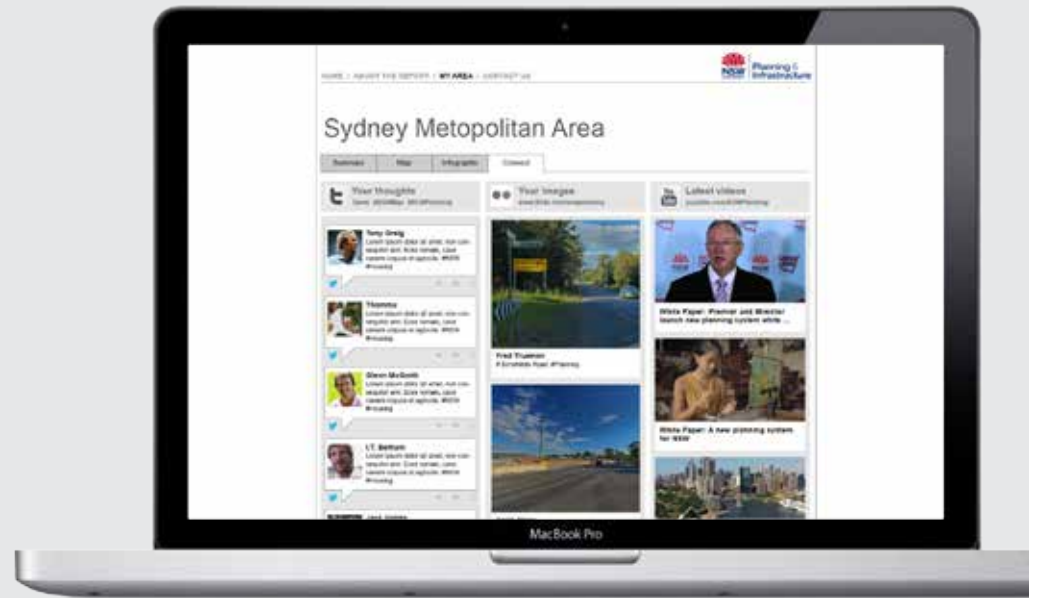
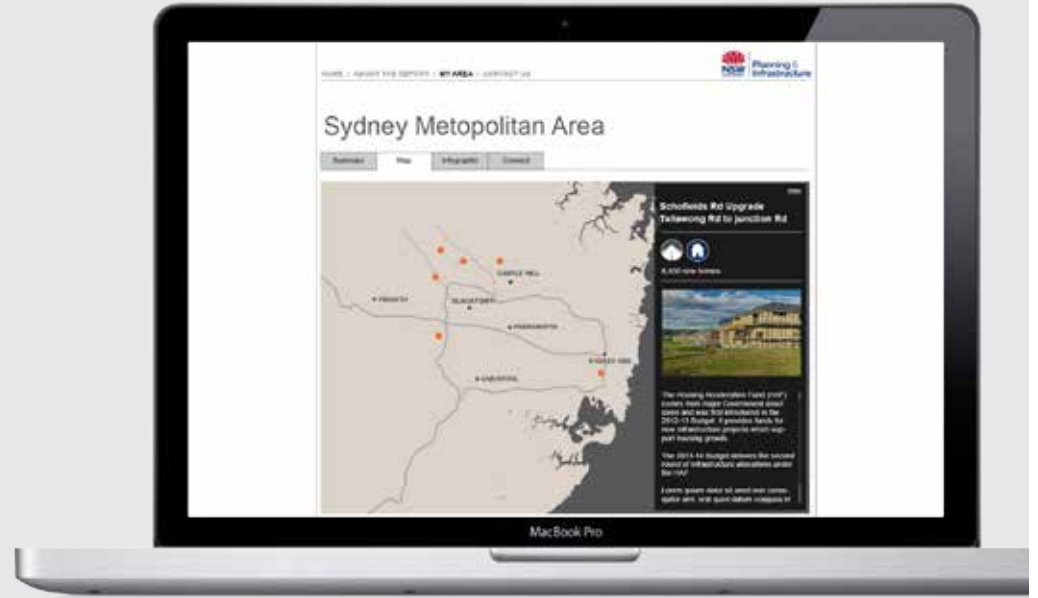
MOTION GRAPHICS

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DEPT OF PLANNING AND
INFRASTRUCTURE



DIGITAL

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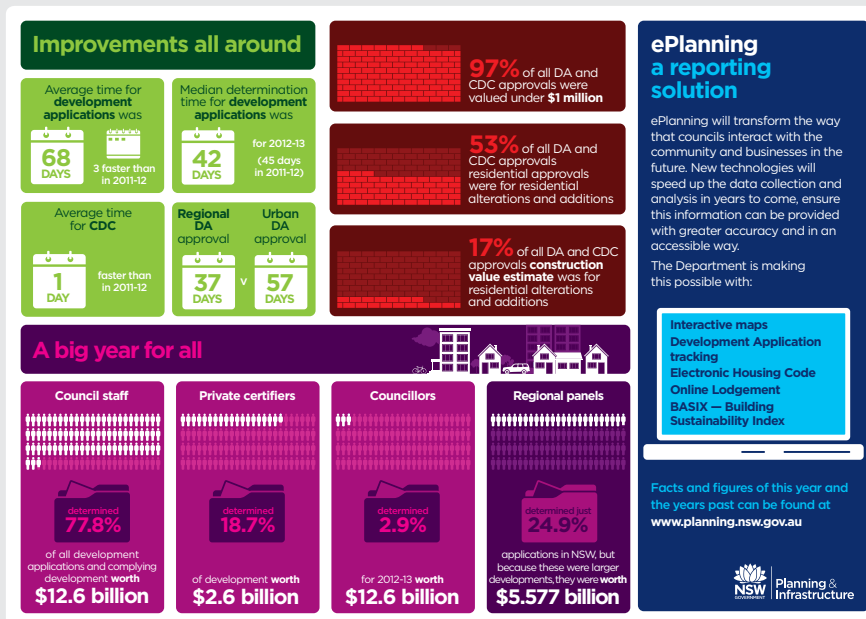
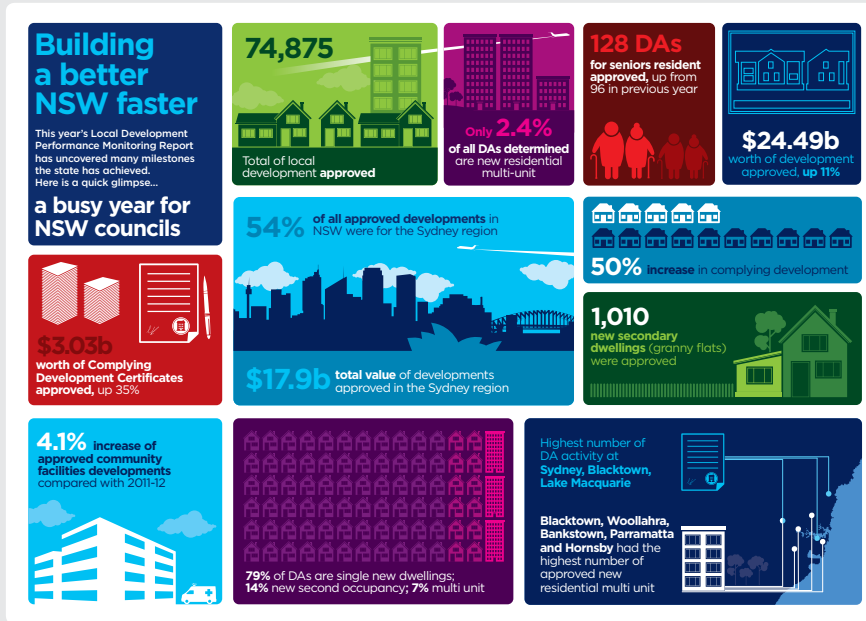
INFORMATION DESIGN /
COLLATERAL

CLIENT
NSW GOVERNMENT
DEPT OF PLANNING AND
INFRASTRUCTURE

Collateral for the NSW Department of Planning and Infrastructure that speak to both internal and external audiences.

The aim has been to take complex and dry information and deliver an engaging result, where content is easily digestible 'at a glance', as in the infographic-based 'Building a better NSW faster'.

The GIPAA report replaced an internal simple text document that was difficult to disseminate and navigate, making the results easy and quick to find.



People, culture and business

MEMORANDUM

GIPAA report

for the week ending Thursday 5 December 2013

Number of open formal applications **12**

New applications received this week **2**

DAS&A

APPLICANT Michael Boulton
REQUEST Original determination for the seawall at 6 Cowper Wharf Road, Woolloomooloo.
DETERMINATION DUE 03/01/2014

PC&B – BPB

APPLICANT Natasha Vasey
REQUEST Complaint Investigation for Complaint No 100-12 William Nettleton regarding Harriet Street.
DETERMINATION DUE 06/01/2014

Determinations **0**

Documents released

GP&D

Patrick Ibbotson, Maddox Lawyers, correspondence re Canberra Airport – see attachment for details.

Awaiting processing charges so documents can be released

AS&A, GP&D

Angela Penkils, PenkilsLawyers – All development consents relating to 42 Friendship Road Port Botany, Lot 50 DP 1182618, including DA 113/79 **Determined** full release 21/11; await processing charges.

DAS&A

Chris Outtersides, City Plan Services – Development Consent for DA 96-06-99; **Determined** full release 21/11; await processing charges.

Likely to be of interest or contentious applications

these involve DAS&A, GP&D, OGD, PC&B and/or PR&G GP&D

Laurie Eyes – All contents of the Departmental files relating to proposed central coast airport. Scope narrowed on 26/11. **Determination due 16/12.**

David Shoebridge MP – All information relating to the consideration and granting of a Site Compatibility Certificate for the Harbord Diggers Club from 1 January 2012 to 30 December 2012 – Scope narrowed to exclude all communications from and to third parties however (this exclusion does not include communications to or from other government agencies, the council or the applicant itself. Advance deposit requested on 18/10. **Decision period suspended.**

DAS&A

Michael McKinnon, Channel 7 Network – all correspondence, briefings and diary entries shared between the planning department and the planning minister's office relating to the Coalpac mine during 2012. **Determination due 20/12/2013**

Greg Donnelly MP – All information including but not limited to correspondence, submissions, briefs and advice provided to the Minister in relation to Coalpac mine Information received 25/1. **Determination due 18/12.**

Bernard Lagan of Global Mail – Communications to the Minister re Mining SEPP and Bulge Millrodale decision; Application for External Review at the Administrative Decisions Tribunal (ADT) of the Department's refusal to release material. **Preliminary Planning meeting at the ADT on 17/12**

DAS&A, PR&GC, GP&D

APPLICANT Graham Werry, Werriton Legal
REQUEST Inspection of file re DA 54-3-2004, 33 Collins Street (Lot 1 DP 743509) and 23 Mearns Place (Lot 202 DP 1054190), Kiama; Information received from Southern Region, no information available at Legal Services Branch **Determination due: 17/12/2013**

For those who wish to see a spreadsheet of all open and recently closed applications and those under review an Objective reference is attached.

For your information.

COLLATERAL

CLIENT
UNIVERSITY OF WOLLONGONG
INFORMATICS FACULTY

Gti was commissioned to write and produce an compelling introduction to the Faculty. Gti worked closely with professors, mathematicians, statisticians and other staff to distill the complex messages into a takeout document that was accessible to all, while still retaining the intellectual rigour that is the hallmark of informatics.

Connecting the world

Real life solutions

At the University of Wollongong, the Faculty of Informatics has developed specific approaches in its courses and programs to address the challenges of the rapidly changing technology and information environments.

STATISTICS IS NOW THE SEXIEST SUBJECT AROUND

The Faculty of Informatics comprises several schools and continues to be the intellectual hub of the University. It is the only school in the world that offers a range of programs in the fields of information and technology. The Faculty brings a deep focus to understanding, planning and creating the information environment and society, leading the students in being active citizens.

Importantly, the Faculty encourages social and environmental responsibility through its research and its commitment to the development of multiple information and technology possibilities across the business, professional and societal domains. As well as regularly and regularly

interacting with each other, Informatics students contribute significantly to other key areas of the University study such as medicine, the natural world, education, health and engineering.

Informatics prepares the students for application of information and communication technologies in the arts, sciences and professions. Students study the foundations of ICT, mathematics and statistics, and gain expertise through practice and research to solve complex problems. Students become the power of technology, bringing benefits to all sectors of the economy.

The realisation of the national broadband network (NBN) has been made an almost instant growth of the digital economy as access to high speed broadband communications is becoming a foundation for the community.

The NBN is expected to open production and research to the growth of the national and provide Australian access to high speed products and services that are essential to business and community prosperity.

Regional Informatics, created to provide educational challenge and also give a large range of services to business systems, such as online management, communication, buying and selling, buying and green government services.

The National Digital Economy Strategy (NDES) represents a core of the vision in Australia, setting goals for broadly access, high speed and innovative ICT community. It is a core of the national engagement with government and business.

Statistics Australia continues to report that the most significant contributor to the Australian economy's job growth is the ICT sector. The national GDP growth over the last five years, between 2007 and 2010, is approximately 10%.

Informatics – shaping the future

The Web means that it doesn't matter where you are... you can live here in Australia and build products for the world thanks to the Internet.

Over the past 20 years we have seen the emergence of the digital economy. In the new economy, digital technology and communication infrastructure provide a global platform from which people and corporations choose strategies, interact, communicate, collaborate and produce their information.

The explosion in the digital economy is measured by national productivity growth, global competitive standing and improved social well-being. Increasingly, 'smart' technology is being utilised to change behaviour and improve infrastructure. It is now clear that digital technology is not just an add-on, it is the future of the economy. We can make better use of our resources, with the added environmental and social benefits that energy efficiency and reducing our energy demands. The digital economy is highly innovative. It will ultimately encompass the entire economy and many, if not all, facets of society. The digital economy presents Australia with a unique opportunity to reverse the downturn that has historically constrained our domestic and international relationships, open up new markets for engagement and growth and secure a global platform for the future. The digital economy is about the solutions that new and emerging uses of technology, built on an increased spectrum of connectivity, will offer. It is a platform for the digital economy to be the engine of the future. It is the development of how the world is shaped from the turn of its pages.

Delivering solutions

The impact of the Faculty of Informatics' academic leaders, researchers and students is evident across the economic and social fabric of the world with pioneering research in collaboration with partners from tertiary institutions, research organisations, industry and government.

STATISTICS AND SURVEY METHODOLOGY - UNDERSTANDING THE WORLD AND ITS PEOPLE

The research of this work is to fit statistical thinking and practice. Through business, healthcare, banking, and transportation, businesses, industry, the private sector, governments and industry, the survey area will provide significant differentiation.

Statistical and survey methodology is a research strength of UOW, a number of researchers in the area of statistical methodology with expertise in survey design and survey analysis. This research area includes the design and analysis of surveys, including survey design, questionnaire development, data analysis, survey analysis, survey evaluation and survey results. This research area includes the design and analysis of surveys, including survey design, questionnaire development, data analysis, survey analysis, survey evaluation and survey results. This research area includes the design and analysis of surveys, including survey design, questionnaire development, data analysis, survey analysis, survey evaluation and survey results.

Current research encompasses:

- Statistical design, including survey design and survey analysis
- A statistical methodology area, including survey design, questionnaire development, data analysis, survey analysis, survey evaluation and survey results
- Current methods, questionnaire design, data analysis, survey analysis, survey evaluation and survey results
- Statistical education

Learning and teaching

INFORMATICS DELIVERS THE SMALL BETS FOR THE FUTURE

- The Faculty of Informatics provides a comprehensive and innovative learning environment that is continuously refined in the face of the rapid pace of change in the world.
- The Faculty of Informatics is a leader in providing market ready graduates. The Faculty delivers an internationally recognised and industry-focused education. This learning experience is led by cutting edge research in areas relevant to the current and emerging information technology industry.
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Power quality and renewable energy – harnessing resources

ACCESS TO RELIABLE COST EFFECTIVE, CLEAN AND EFFICIENT POWER IS A KEY CHALLENGE OF THE CENTURY

The Faculty works in the areas of distribution and transmission systems of power quality, reliability and renewable energy systems, applying research into the power and energy sector via an array of post graduate courses for industry research.

The areas of research have various fields such as power quality, reliability, distributed generation and renewable energy and include:

- Power quality, including monitoring
- Power quality data analysis and reporting
- Power quality and control
- Harmonic mitigation for distribution and transmission systems
- Standards interpretation and development
- Design of distributed generation systems on distribution systems
- Power quality data monitoring
- Voltage stability on transmission networks
- A wide range of electrical applications and control

The Faculty encompasses numerous courses and research areas:

- Development research in ICT infrastructure
- An available top international and leads to distribution system
- Cost of energy to customers
- Database research for power quality data
- Feasibility preparation for RPI factors
- Industry research reporting tools
- A leading state-of-the-art reliability practices
- A growing range of academic research in engineering such as smart business and innovation research

Informing the world

The University of Wollongong's expressed vision is to be an international university recognised for its interdisciplinary research, originality and enterprise in exploring, communicating and applying knowledge to enrich individuals, communities, business and the environment.

The University (UOW) has an excellent and growing reputation for its highest quality teaching and research in Australia, the Asia Pacific region and across the globe. This research environment is truly interdisciplinary and cross-sectoral.

The Faculty of Informatics has a long history of research excellence. UOW also has a particular selection of research areas that are of global importance. The University has consistently gone beyond expectations to set standards of excellence and leads in research in its own right.

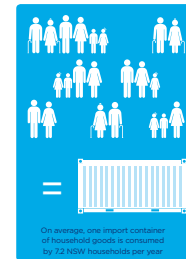
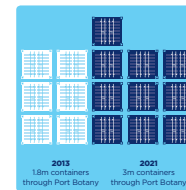
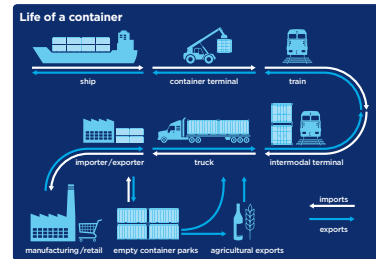
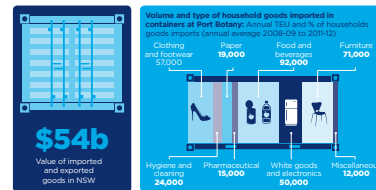
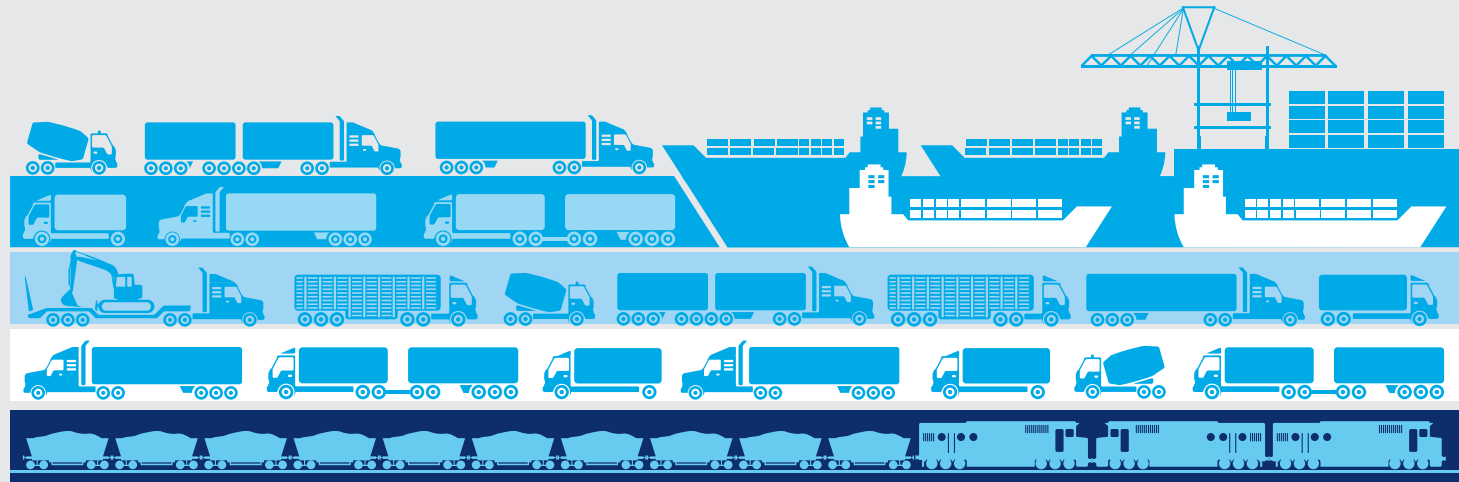
The University continues to demonstrate a capacity to address local and international priorities by aligning undergraduate and postgraduate research with its research strengths, relying on expertise in its key research areas. As an international university, UOW has a strong reputation for its research excellence and its research excellence is reflected in its research excellence and its research excellence is reflected in its research excellence and its research excellence is reflected in its research excellence.

Informatics connect the world

**INFORMATION DESIGN /
COLLATERAL**

CLIENT
**NSW GOVERNMENT
DEPT OF TRANSPORT**

Infographic development for the
NSW Department of Transport.



More containers on NSW roads will create more congestion, emissions and noise pollution

By 2021 NSW's population will have increased from 7.4 million to 8.1 million. This means that there will be more demand for goods that come in by container at Port Botany.

If we continue operating with only 14% of our containers moved by rail, we will have more trucks and cars on our roads in Sydney's already at-capacity road network and we will significantly decrease productivity in getting goods to and from market.

To ensure this situation does not happen, we need to work now to improve our rail network so that we can maximise use of our existing network capacity and enable us to meet future capacity.

The NSW Government is currently implementing ways to convert road movements to rail to reduce congestion, emissions and noise pollution. We have set a target of doubling the amount of containers moved by rail by 2021.

In order to reach our 26% target in 2021 we need to:

- Develop the NSW Cargo Movement Coordination Centre
- Implement Fast tracking Freight
- Maintain business as usual activities including road and rail network capacity improvements, access for freight trains on the network and land use planning to support IMT development.

Improving our local roads

Country councils and shires spend up to 50% of their budget maintaining local roads and bridges

Over **8,000** local government bridges in NSW

DETOUR

Every **100km** out of a truck driver's way costs **\$200**

Over 72 different types of produce transported by freight in NSW

Connecting our towns

11% State and National Roads, 89% Local Roads

Local roads cover **160,000km** the same distance as travelling half way to the moon

Value of products moved by freight **\$200 billion**

Unlocking our economic potential

Freight is worth **\$58 billion** to the NSW economy

167 billion tonne/km of freight moved annually in NSW