

BRISBANE DISTRICT COOLING PROJECT



CITYSMART
Brisbane City Council's Sustainability Agency

WHAT WE DO

ADVISORY SERVICES



PROJECTS AND PROGRAMS



PARTNERSHIPS



EVENT DELIVERY



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\$39M

OVER 5 YEARS CITYSMART HAS DELIVERED \$39M IN DIRECT ENERGY COST SAVINGS FOR RESIDENTS AND SMALL BUSINESS

\$500M

CBD SMART ENERGY ONCE FULLY DEVELOPED WILL DELIVER \$500M IN ECONOMIC BENEFIT

300 BUSINESSES

TO DATE WATT SAVERS HAS SAVED 300 BUSINESSES IN SOUTH EAST QUEENSLAND ON AVERAGE 8% OFF THEIR ENERGY COSTS

\$10M

CITYSMART HAS CUT \$10M OFF EYZGREEN RESIDENTS' ENERGY BILLS

SMART CITIES

CITYSMART IS ADVISING INDUSTRY AND COUNCILS ON SMARTER CLEANER TECHNOLOGIES TO CREATE SMART CITIES

\$25M

CITYSMART HAS LEVERAGED \$25M IN FUNDING FROM OUR PARTNER NETWORK OVER THE PAST FIVE YEARS

1000

REDUCE YOUR JUICE WILL HELP 1000 LOW INCOME ADULTS SAVE OVER \$400 P.A.

600 JOBS

ONCE FULLY DEVELOPED CBD SMART ENERGY WILL CREATE OVER 600 JOBS FOR BRISBANE

40 000

40 000 BRISBANE RESIDENTS ATTEND THE BI-ANNUAL GREEN HEART FAIR

\$6.5M

CITYSMART RECEIVED \$6.5M IN FUNDING FROM THE FEDERAL GOVERNMENT LIEEP GRANT TO DELIVER REDUCE YOUR JUICE

ONE-FIFTH

OVER ONE-FIFTH OF BRISBANE'S ELECTRIC VEHICLES ARE USING OUR CHARGING STATION IN KGS

MULTINATIONAL

OUR PARTNERSHIP NETWORK CONSISTS OF 42 AUSTRALIAN AND MULTINATIONAL BUSINESSES WORKING TOGETHER TO COLLABORATE AND INNOVATE OUR CITIES

\$64M

SINCE OUR INCEPTION CITYSMART HAS CREATED \$64M IN DIRECT VALUE FOR BRISBANE CITY

24 000t

Annually the CBD Smart Energy Project is expected to reduce CO2 emissions by up to 24 000t

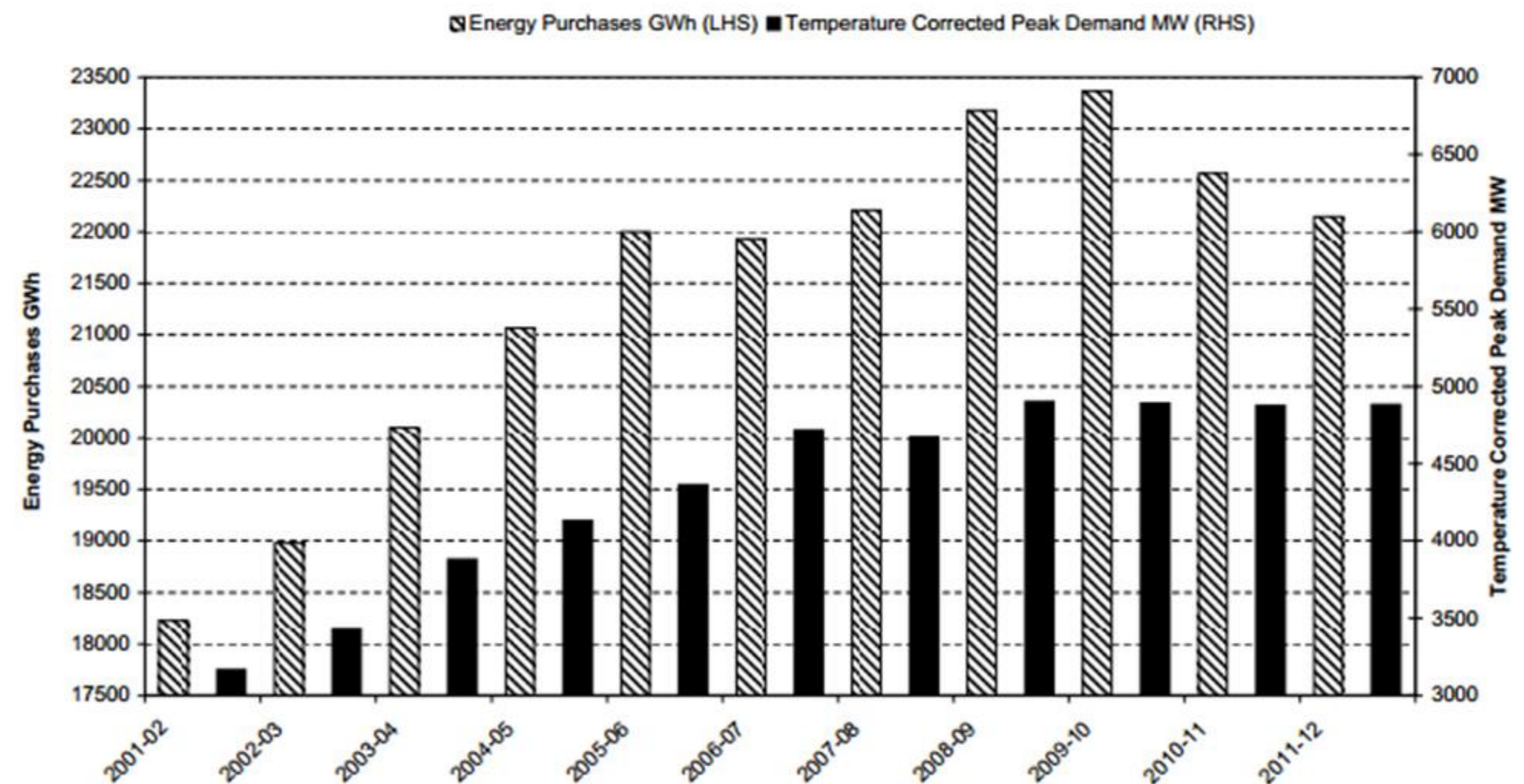


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BRISBANE DCS PROJECT DEVELOPMENT

WHY?

- Sustainable Economic Development
- Demand constraint
- Private sector interest



Graph 1: shows energy delivered to South East Queensland customers and the recorded peak demand totals across our network between the 2001/02 and 2011/12 financial years.

https://www.energex.com.au/data/assets/pdf_file/0015/121146/Energex-Limited-Annual-Performance-Report-2011-12-PDF-for-web.pdf



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PROJECT

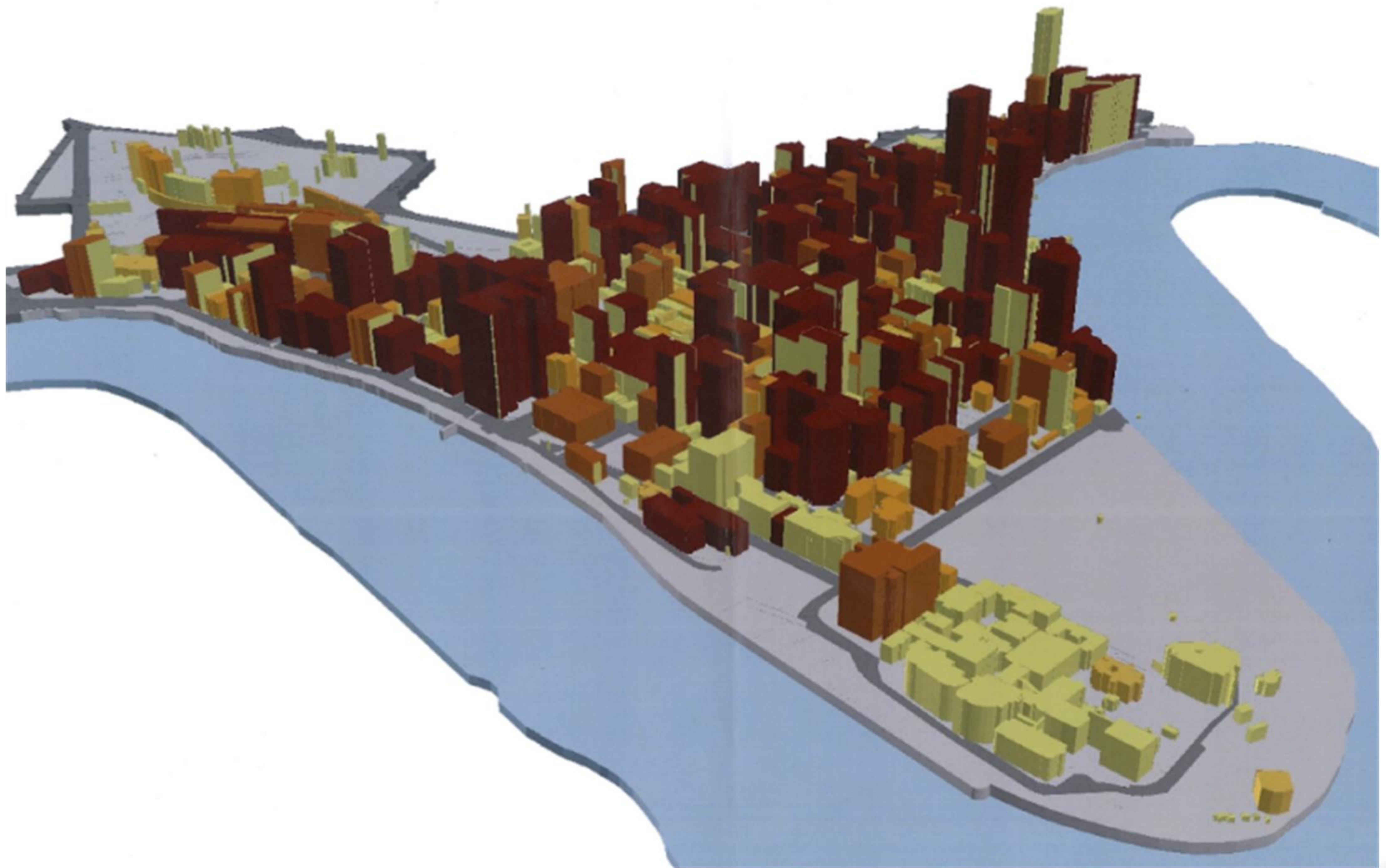
HOW?

- High Level Feasibility Study
- Market Engagement
- Brisbane CBD analysis
- International & Local project analysis

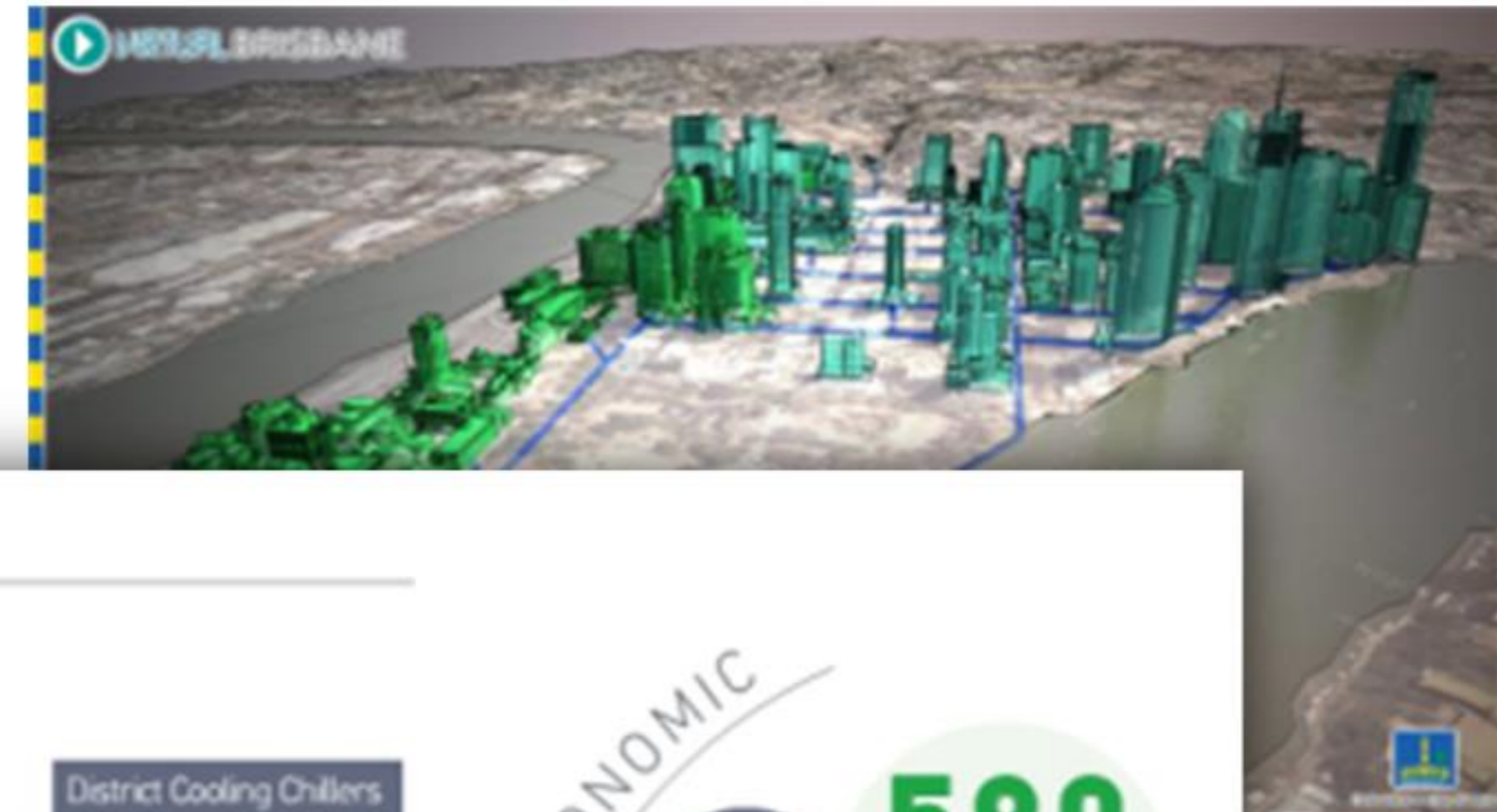
What can Brisbane City offer?



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ENERGY SAVINGS

Efficient Chiller operating hours



Power Demand Profile for the Central Business District



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MARKET ENGAGEMENT



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EXCLUSIVITY MODEL

AWARD

DEVELOPMENT CONTRACT APPROX 2 YEARS

- Finalise feasibility
- Secure investment
- Construction methods
- Statutory approvals
- Stakeholder management plan
- “Expectations” for Delivery Contract

COUNCIL APPROVAL

DELIVERY CONTRACT UP TO 99 YEARS

VOLUMETRIC TENURE FOR PIPE NETWORK
UP TO 99 YEARS

INVESTMENT ZONE EXCLUSIVITY
25 YEARS, EXTENSIONS UP TO 50 YEARS

DEVELOPMENT ZONE EXCLUSIVITY
7+7+7 YEARS

- NO MANDATE
- kpi'S (CONSTRUCTION AND OPERATIONS)
- POTENTIAL REVENUE STREAM



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PROCUREMENT

Selection Criteria

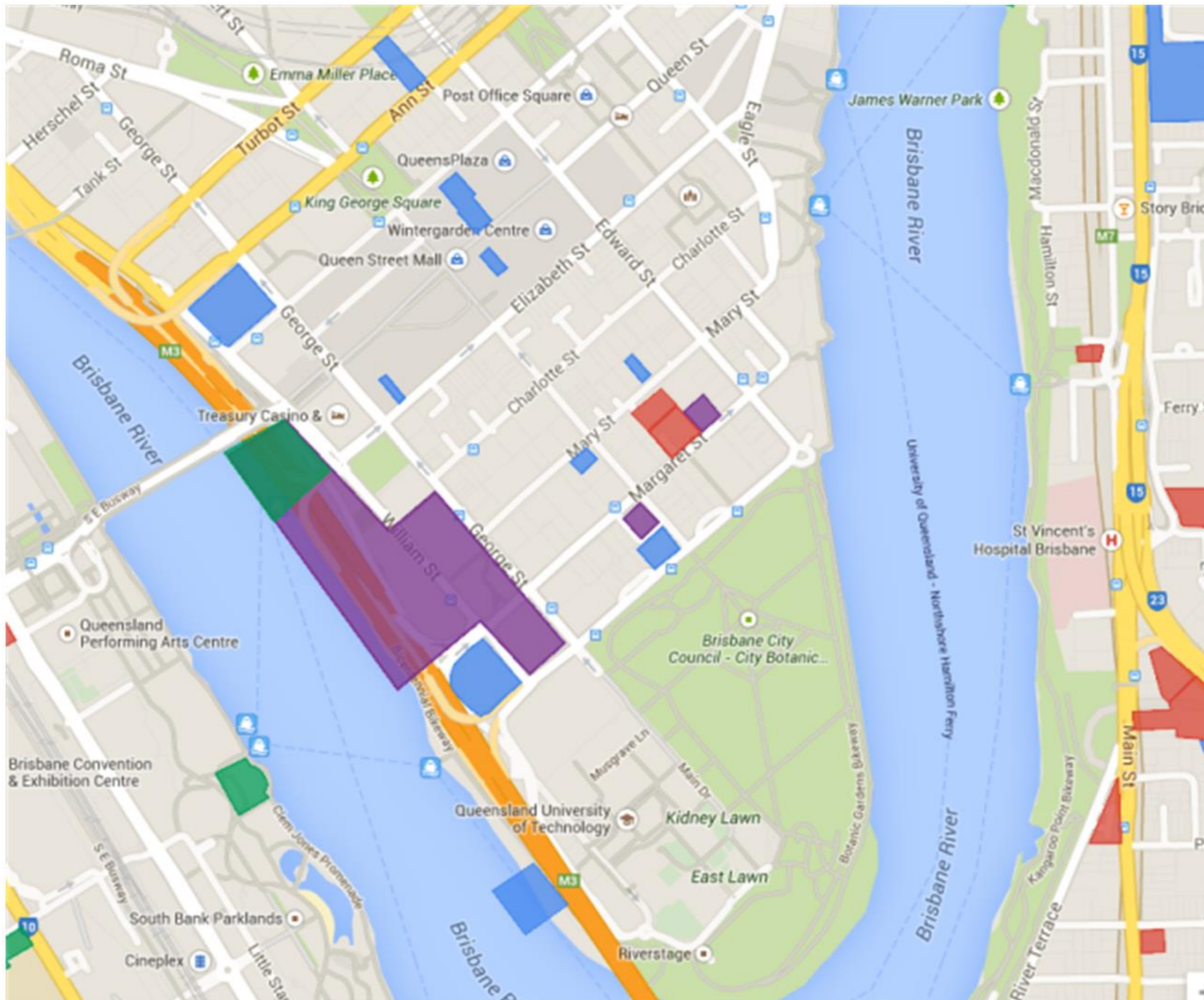


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BENEFITS OF PARTNERSHIPS



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Craig Turner
Commercial Manager
CitySmart Pty Ltd
T: +61 7 3007 7007
Craig.turner@citysmart.com.au