



JTENVIRONMENTAL
ENGINEERING
CONSULTANTS

CAPABILITY STATEMENT

Aerial Photography, Monitoring & Surveying
Stormwater Quality Management Plans
Bushfire Management Plans
Noise Impact Assessments
Environmental Licensing
Air Quality Assessments
Lead Auditing

Our Mission

Find and deliver a strategic & sustainable solution for our client that is time and cost effective.

Established in 2004, **JT Environmental Pty Ltd** is a boutique environmental consultancy firm that offers a comprehensive range of Environmental Engineering services for all market sectors. Whether it is a small residential development to a multinational project, we can deliver the result that you need.

Specialising in a number of environmental areas serves as a convenient option for our clients.

At JT Environmental you are guaranteed to speak with the same environmental engineer every time.

Your project is our priority.

We believe in delivering strategic environmental solutions that's why JT Environmental works to "design out the problem" for you.

Professional Services Offered

Our team is dedicated to offering an extensive and comprehensive range of environmental services for a wide sector of markets.

We proudly specialise in:

Aerial Photography, Monitoring & Surveying

Stormwater Quality Management Plans

Bushfire Management Plans

Noise Impact Assessments

Environmental Licensing

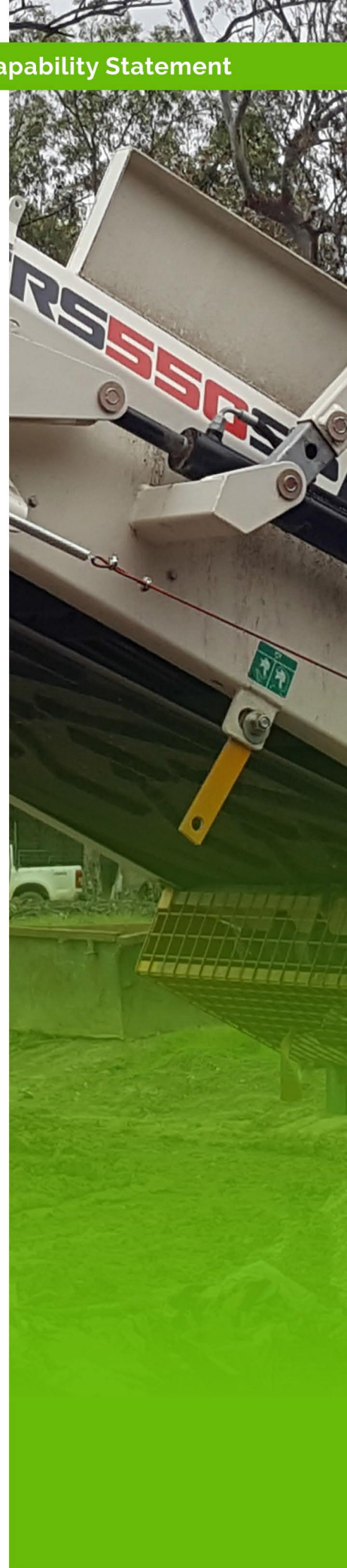
Air Quality Assessments

Lead Auditing

Noise Impact Assessments

The previous and current explosion in urban and industrial development in Southeast Queensland has resulted in the unparalleled consideration of amenity impacts associated with new and existing developments. JT Environmental, using the latest in monitoring equipment from Norway, the Norsonic 131 Sound Level Metre, is investigating and preparing Noise Impact Assessments with specific investigations of industrial operations and emissions from both State and Local beneficial assets. PEN3D2000 is our current noise modelling software of choice with its user friendly interface and flexible site specific data entry it enables JT Environmental to deliver the most accurate results.

JT Environmental provides noise impact assessments and acoustic design services across all types of Development Applications whether it is industry or commercial development. We also have the qualifications to undertake a full range of acoustic certifications to help meet your project goals in a personalised and cost-effective manner.



Stormwater Quality Management Plans

JT Environmental offers a high quality service and produces high quality outcomes for your Stormwater management projects using MUSIC (Modelling Urban Stormwater Improvement Conceptualisation) Version 4. We are conversant with the statutory requirements regarding Stormwater treatment systems and have a successful history in the negotiation of approvals.

Our Stormwater Quality Management Plans include a general assessment which involves appropriate recommendations in accordance with the Water Quality Objectives associated with the locality of the site. Consideration of Stormwater Quality for a site, is easily implemented at the design stage of the site however due consideration once the Development Application has been lodged, can be completed, although this may have implications on the proposed development as a whole if incorporation of WSUD principles is required.

Air Quality Assessment

JT Environmental has specific experience in the investigation and preparation of Air Quality Assessments associated with a number of uses. Typically, operations with either significant emissions sources such as spray booths etc. or childcare centers located in close proximity to arterial roads, JT Environmental can model the implications on specific receptor locations through the adaptation of appropriate air quality modelling software. We use physical and computational modelling (Ausplume Air Quality Modelling) techniques along with meteorological data to accurately measure the possible effects of pollution dispersion in relation to your site.

General requirements of planning instruments require appropriate investigations of emission sources to determine Design Ground Concentrations and, if applicable, compare these against stated criteria. JT Environmental has noteworthy experience associated with the application of due investigations for:

- Childcare Centers
- Asphalt manufacturing plants
- Service Stations
- Commercial Spray Painting operations
- Wastewater Treatment Plants



Environmental Licensing

In January 2009, the Department of Environment and Resource Management (DERM) released an update to the Queensland Environmental Protection Regulation (begin version 2008). Manufacturing operations throughout Queensland, for the most part, require the investigation, preparation and lodgment of an Environmentally Relevant Activity applications, albeit, either Devolved (Local Gov) or Non-devolved (State Gov).

JT Environmental, over the last 5 years has established a strong working relationship with various Local Governments and the Queensland Department of Resource Management (Eco Access) and has the capabilities to ensure that not only is the operation compliant with best Practice Management Principles, but is consistent with the Town Planning Application to be made or that already exists.

JT Environmental can project manage the preparation and lodgment of appropriate ERAs as required or can assist our clients Planning Consultants to apply for a properly made application.

Aerial Photography, Monitoring & Surveying

JT Environmental provide private and commercial aerial photography using advanced electric operated GPS equipped drones with high resolution still and video capability.

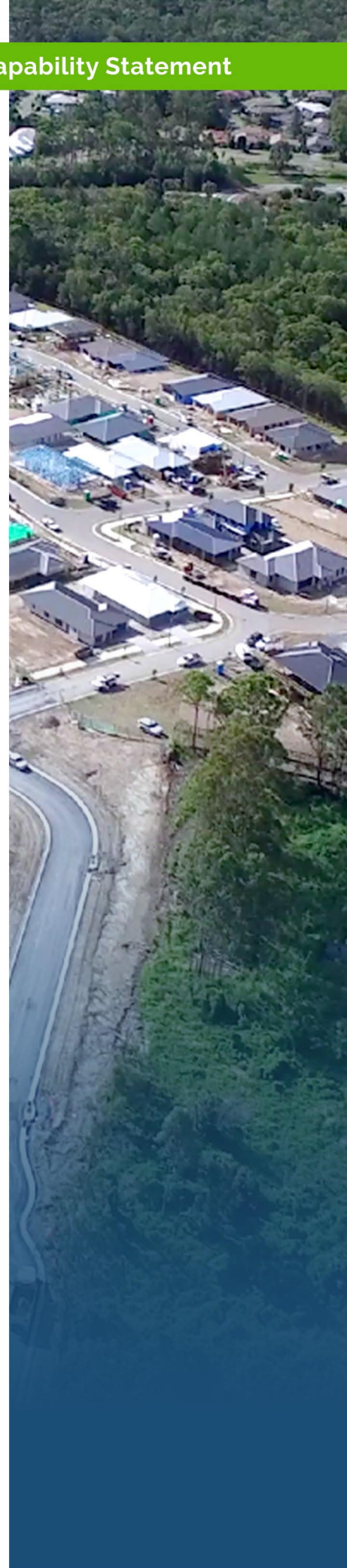
With the flexibility of our equipment (indoor and outdoor use) we can capture and post produce high quality aerial imagery with raw files able to be emailed within minutes of capture.

Whether it be Real Estate, Sporting Events, Development Application Due Diligence, intersection photography or Solar Panels and roof inspections; JT Environmental's Aerial drones can capture that perfect image.

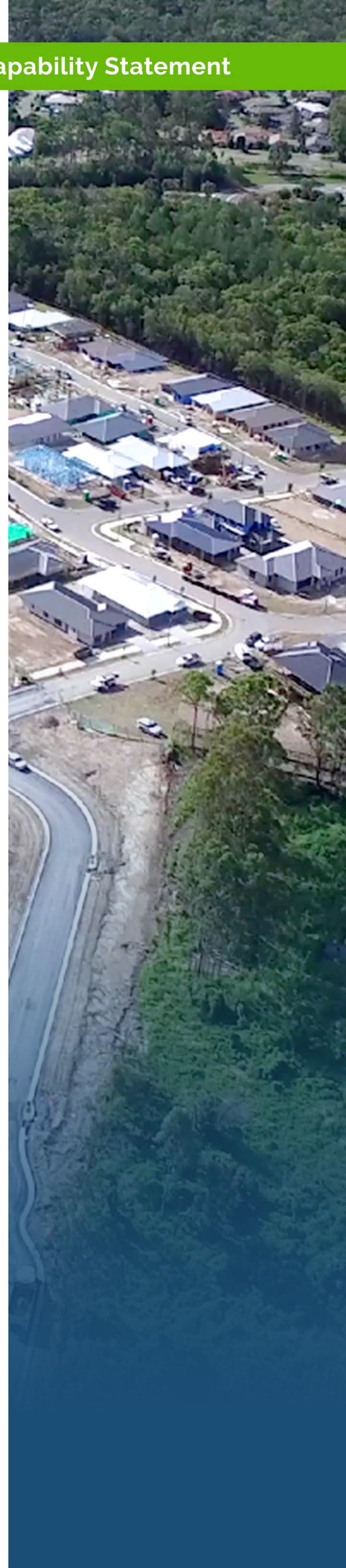
Utilising our 30 years of experience as remote aircraft operator JT Environmental can provide immediate site review and aerial inspections over a large area to determine current site uses and inspection.

Platforms that we use:

- DJI Inspire (capability of Filming with 4K camera at 24-30 fps with 60Mbps and taking 12.4MP still photos with included burst shooting options with Live HD view flexibility



- DJI Mavic (Capability of creating clear 4k video at 30 fps, 1080P video at 96fps and 12MP Still photos)
- Skycatch platform high precision survey unit (Contour map export, DTM generation, 2D map, 3D point cloud, and 3D mesh viewing, PDF, TIF, LAS, and OBJ file export etc.



Bushfire Management Plans

JT Environmental utilises both qualitative and quantitative investigations to determine the level of risk associated with current and future developments and recommending strategies to reduce this risk potential to future occupied places.

The aim of our Bushfire Management Plans (BMP) is to provide coordinated prevention and mitigation documentation of bushfires to protect human life, community assets and the environment and a continued assessment of the risk areas and potential improvements to the lot layout and local infrastructure associated with a development.

Our BMP's identify a number of strategies which are directed at reducing the risk to human life, community and environmental assets. As our assessments and management plans highlight, by addressing the factors which contribute to the intensity of a bushfire the risk associated with the residential development can be minimised. We further provide specific recommendations for Construction Processes from AS2959 and utilise appropriate assessment tools with AS3959.

Lead Auditing and Preparation of Integrated Management Systems for Businesses

JT Environmental is accredited in the preparation and internal review/audit of:

1. Quality Management Systems ISO9001
2. Environmental Management Systems ISO14001
3. Safety Management Systems AS4801
4. IMS Lead Auditor ISO 9001, ISO14001 and AS 4801.

JT Environmental has the capability to prepare and ready our clients for ISO certification including documentation preparation and training of complete Management Manuals.



Meet our Director & Lead Environmental Engineer

Tyson Dodd



B. Eng (Env Eng), MIEAust, CEP, AIDGC
Accredited Internal Integrated
Management Systems Lead Auditor
ISO9001, ISO14001, ISO4801 RABQSA

Tyson Dodd is the owner and Principle Environmental Engineer of JT Environmental Engineering Consultants. Having worked in the industry for nearly two decades with the Brisbane City Council and now in the private sector for over a decade he knows what results his clients are after and how to best achieve them within the shortest possible timeframe.

Studying extra subjects and modules has made Tyson an all round technical expert in many environmental fields. While most engineers focus on specialising in one field of expertise, Tyson and JT Environmental cover an impressive seven fields. Which delivers the client the best possible outcome and limiting any unexpected issues that might arise during their project.

Projects

Kennedy's Classic Ages Timbers, Narangba

Rockpress Metal, Acacia Ridge

Downer Australia, Archerfield, Bli Bli,

Gympie, Culcairn, Bayswater, Hume



Kennedy's Classic Aged Timbers, Narangba

Kennedy's Classic Aged Timbers was a keynote project that JT Environmental was involved in during the establishment of the business in 2004. The specific requirements of the operation were clear that the site was to operate in two different functions, the first being a Waste Transfer Station for the receiving of waste timber and the second as a Timber Mill for the recycling of aged timbers for reuse.

JT Environmental was specifically responsible for the assessment of the site for the preparation of a Site Management Plan that was lodged to DERM for the approval of the associated ERA's. In addition to the ERA'S required for the operation of the site, the lodgment to the Local Government also required the investigation and design of Stormwater Quality Management Measures required.

Kennedy's Classic Aged Timbers is devoted to the recycling of classic timbers as features associated with future developments.



Rockpress Metals

Rocklea Pressed Metal own and operate a state of the art facility in Rocklea for the design and fabrication of sheet metal products. The large operation associated with the business incorporates separated buildings for different parts of the operation whereby Rockpress can ensure that the cleaner CNC type manufacturing processes maintain a level of Quality Assurance and accurateness to produce the highest quality finished products for their client's whilst maintaining a 'clean' manufacturing environment.

JT Environmental was commissioned to assist in assessing the site for stormwater and waste emissions from the operation. These recommendations will be implemented on-site to assist in the Quality Assurance programme being undertaken on-site. Specific requirements of JT Environmental were the inspection and recommendation for retrofitting the stormwater infrastructure on-site to achieve current best practice management principles BPMP.

Rockpress Metals



The Stormwater Quality Management Plan that was prepared for the site was targeted at the possibilities of the installation of at source and end of pipe solutions to provide the most cost effective high performance treatment solutions. These solutions together with the proactive management approach currently practiced by management and employees will ensure that the operation and site will achieve a high level of Stormwater Quality performance given the sites have been long established.



Downer Australia Asphalt Plants (Archerfield, Bli Bli, Gympie, Culcairn, Bayswater, Hume)

Downer Australia is one of Australia's largest Road and Rail Engineering organisations. In Southeast Queensland Downer Australia has established a market share of large scale road infrastructure projects providing for the refurbishment of existing Asphalt Manufacturing Facilities and establishment of new sites within Queensland. JT Environmental has been the driving force for each project conception in Queensland providing initial site scoping to preparation and collation of associated Environmental Engineering Reports for associated Development applications to Local Government.

JT Environmental has been proactive in the progression of these sites for Downer Australia with the use of European designed Asphalt Manufacturing plants boasting the latest in energy efficiency and pollution control technologies, ensuring appropriate Environmentally Relevant Activities and Flammable and Combustible Liquids Licenses issued by DEHP and Local Governments for these uses are successfully granted.

Other Projects

Asphalt Manufacturing Plants

- **Suncoast Asphalt Pty Ltd**
- **Tropic Asphalts Pty Ltd**
- **Stanley McAdams Road Surfacing Ltd**

Commercial Paint Manufacture & Storage

- **Valspar Paints, (Australia) Pty Ltd**

Petrol Retailer & Importer

- **United Petroleum**

Micro Brewery

- **Ballistic Beer**
- **The Brewing Hub**
- **Slipstream Brewing Company**

Design & Construct

- **Condev**
- **Craft Buildings**
- **Douglas Construction**
- **Niclin Group**
- **Spaceframe Buildings**

Types of Developments & Services

EXAMPLE DEVELOPMENTS

TYPES OF SERVICES

Multi Unit Dwellings and High Rise Units

Stormwater Quality Management Plans
Noise Impact Assessments
BA Acoustics Design and Component design
Transport Corridor Air Quality
Construction Management Plans
Aerial Photography and Survey

Dangerous Goods Facilities

Stormwater Quality Management Plans
Dangerous Goods Approvals and Hazard and Risk Assessments
Construction Management Plans
Aerial Photography and Survey

Service Stations

Air Quality Assessment
Noise Impact Assessments
Stormwater Quality Management Plans
Hazard and Risk Assessment
Construction Management Plans
Aerial Photography and Survey

Centre Activities (Restaurants, Night-clubs, 24hr Operation Gyms etc)

Noise Impact Assessments
Odour Management Plans
Aerial Photography and Survey

Industrial Uses Including: Waste Transfer Stations, Crushing/Milling/Grinding, Regulated Waste Transport and Treatment facilities, Asphalt Manufacturing Plants, Mobile ERA's.

Air Quality Assessment
Noise Impact Assessments
Stormwater Quality Management Plans
Hazard and Risk Assessment
Construction Management Plans
Site Environmental Management Plans
Aerial Photography and Survey

Compliance and Show Cause Notices

Aerial Photography and Survey
Compliance inspections and Local State Government Liaison

Design and Construct Developments

Air Quality Assessment
Noise Impact Assessments
Stormwater Quality Management Plans
Hazard and Risk Assessment
Construction Management Plans
Site Environmental Management Plans
Aerial Photography and Survey



JTENVIRONMENTAL
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Located on the Gold Coast.
Servicing Australia

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www.jtenvironmental.com.au

REQUEST A FEE PROPOSAL

Designing Out The Problem.