World of Drones Conference 2018

EY Perspective & Capability

Adam Fennessy
Partner – Advisory
EY Oceania Lead, Future Cities
tel +61 407 875 803



The better the question. The better the answer. The better the world works.

Drones for good

Emergency management and recovery



Forestry and natural resource management



3 Coastal management



Drones offer an opportunity for businesses to significantly reduce costs through reduction in time to complete tasks and increased safety

Enhanced efficiency - examples



► On average, the use of drones for traffic incident response results in a ~\$5,000 productivity saving



► Commercial drones are estimated to save the insurance sector ~\$7B per year



► Corn, soybean and wheat farmers could reduce costs by \$1.3B annually through drone use to increase crop yields

Enhanced safety - examples



► Automation via the use of drones could increase daily inspection figures from 10-12 to 15-20 turbines per day,



► Employee safety can increase substantially by using drones to conduct pipeline inspections



► Track inspections by drones reduce human exposure to hazards and ensure appropriate safety measures are undertaken for maintenance procedures

By undertaking the dangerous, difficult and dirty jobs currently completed by humans, drones can significantly reduce cost through increased operating efficiency and safety

EY offers a range of services to clients in both the private and public sectors to assist in maximising the benefits of drone use

Advisory

Business Case for Drones

- Can an investment in drones save our company money through increased efficiencies and reduced safety costs? Key considerations:
 - Capital expenditure requirements
 - Investment payback period
 - Benefit timing
 - ▶ Data driven growth

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Strategy & Implementation

- ► How do we integrate drones into our operations? Key considerations:
 - ▶ Operating model re-design
 - Data collection, management, analysis and reporting capability
 - Staff training requirements

Assurance

Audit Capabilities

- EY recently launched a global proof of concept to test drone usage in inventory observations
- ► Initial findings: drones can conduct selected audit activities up to 300 times faster than humans
- Cloud based real-time asset tracking platform powered by an Internet-of-Things (IoT) sensor network.
- Data can be securely stored with EY or stored on client systems

EY has the ability to offer clients across all sectors end-to-end advisory and assurance services relating to drone use in order to reduce costs, generate additional insights from data and help to obtain a competitive advantage