



Workforce Training and Innovation Funded Project

Enhancing workforce capability through industrial application of Drone Technology



WTIF programs Team

Agnes Goh-Grapes, Bruce Burns, Tony Woolrich and team

Nathan Edwards, MD, Macutex

Nicole Broe, Director-Food and Fibre, BKI

Gail Bray, General Manager- Learning and Innovation, VU Jackson Docherty, Director- New Business and Outer West Campuses, VU Polytechnic

Paul Sadler, General Manager- Manufacturing, Technology and Trades

Kevin Thorley and Team, WGTP



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WTIF- ENABLED TRAINING CAPABILITY Project Objectives

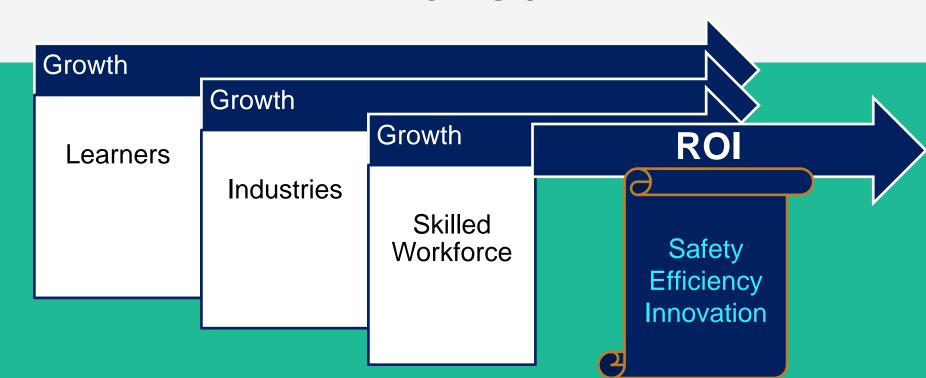
Firstly, units of competency when accredited will have capacity to be included in National Training package qualifications as either electives or skill sets

Secondly, fit for purpose learning resources that address specific workforce needs of the partner organisation and have the capacity to be replicated across additional industry sectors

Thirdly, the project will most importantly produce graduates who are more able to meet the growing and changing workforce needs in priority sectors.

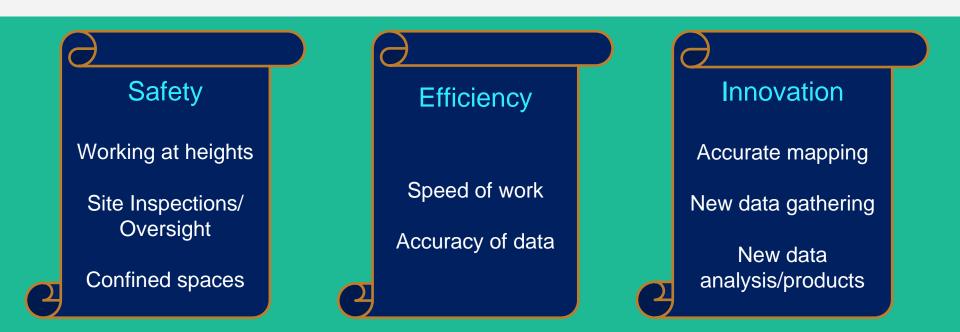


The Vision





The Vision





Units of competence

Generic

Learning to Fly Drones

Flight Basics- Hazards, Batteries and the Law Safe Drone Operations- WHS and Situational Awareness Other units

Data Collection, Analysis and Interpretation

Making Effective decisions using data

Developing the Pilot Training Program

Generic

Facilities

management

Land

Management

Learning resources customised by Industry

Construction

	Learning resources
	Agribusiness &

Assets and Conservation and

UoC





Pilot Industry Sectors- The Prime Movers





Pilot Group 1: Macutex





Pilot Group 2: BKI

Agribusiness &
Conservation
and Land
Management
(BKI and Industry
Partners)
CONTEXT
Weed Mapping

Learners: 7
Mixed group:
Educators
Students
Industry Partners

Training: 5 Days WTIF Training program
BKI- Drone Integration
POTENTIAL WINS: Increased Community
Reach
Increased Employability
Safety and Accessibility

Bendigo Kangan Institute is taking the lead from a Regional TAFE network perspective in the communication of project findings along with IfDT. BKI is currently integrating drone technology operations into the organisation and progressing to include resources in existing and new qualifications for the benefit of their Industry partners' workforce.



Pilot Group 3: VU & West Gate Tunnel Project

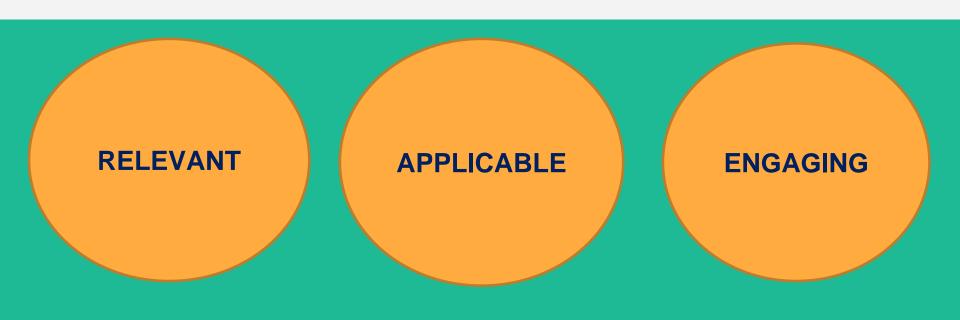


VU Polytechnic is working towards integrating drone technology training into Civil Construction qualifications for the benefit of its Industry partners. West Gate Tunnel Project team considering safe and efficient integration of drone operations into project.

Valuable feedback gained from training various layers of the workforce.



What we know so far: The Training Model





Workforce Capability Development





VALUE-ADD



Workforce Capability Growth- The movement has commenced!

Galvanised to Challenge the Status Quo

Explore New Options

Apply New Ideas/Solutions

Gain Greater Productivity



RISKS, LAGS & CHALLENGES

The risk of interconnectedness between training and drone operations' integration:

Not integrating drone technology in the right way and at the right time May hamper increase in productivity and affecting pilot evaluation BAU causing delays- Not core business though advantageous

Scheduling- Release of workforce for training

Big wheels turning slowly Process delays

Drone technology moving at a rapid rate- Drone types becoming obsolete right in the middle of the project

Fear that this is but a drop in the ocean- we need to do more and do it faster- Expand reach



Trainees as ambassadors : Documenting for Continuous Improvement

Every new idea through this program

Any particular ways that they think they may be able to use new knowledge and skills gained through this training program

What works well and what can be improved in the design and delivery of training program



Additional organisations queued for part or full pilot training

Infrastructure (Utilities-Barwon Water and Geelong City Council)

Infrastructure and Facilities Management (Knight Frank)

Agribusiness (East Gippsland)



Project Progress Overview

UoC Framework developed for 5 Units

Learning Resources Developed for 3 Pilot Groups and 4th set in progress

Evaluation in Progress pre and post training program

Digital Development piloted and to commence fully post procurement of delivery partners

Communications plan to be executed in collaboration with partners

Massive amount of learning for all

Early indicators of project success and excellent feedback from all









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