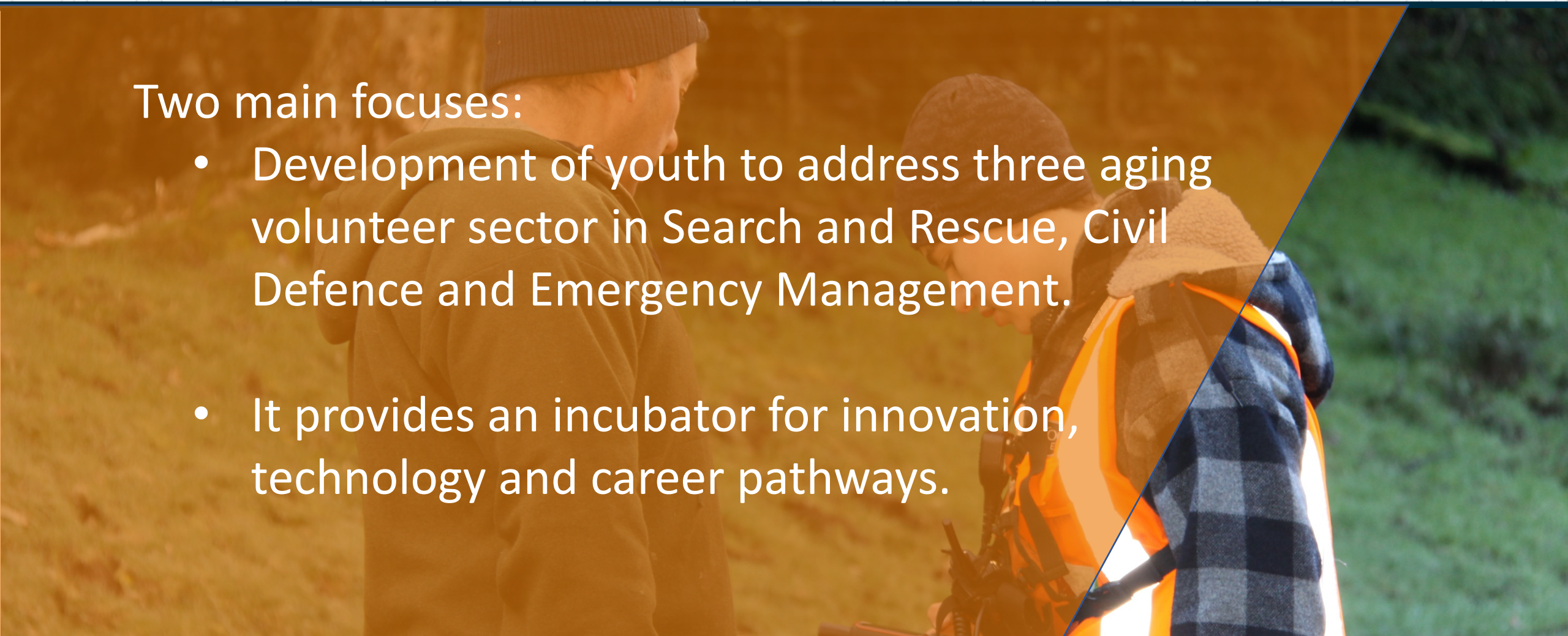
YSAR
YOUTH SEARCH AND RESCUE
NEW ZEALAND

What is YSAR?

- An independent non-profit organisation in our 9th year
- A three year programme focused on 14-18 year olds
- More than 225 BOP students
- Experienced leaders from all SAR and EM disciplines

  A governance board
- Tauranga-based but in the process of expanding NZ-wide (and beyond)
- Creating systems enabling NFP franchises

What is YSAR?



Two main focuses:

- Development of youth to address three aging volunteer sector in Search and Rescue, Civil Defence and Emergency Management.

- It provides an incubator for innovation, technology and career pathways.

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- Typical SAR Volunteer are in their 50’s.
- Reluctant to accept new technology.
- YSAR at the front of cutting edge technology.

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Drones:

- Very versatile
- Rapid deployment
- Extremely fast and efficient at finding people.

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GPS-it
PRECISION LAND MAPPING

STEM:

- Partnership and Sponsorships with tech companies.
- Command and Control software.
- Don’t need cell service to send photos.

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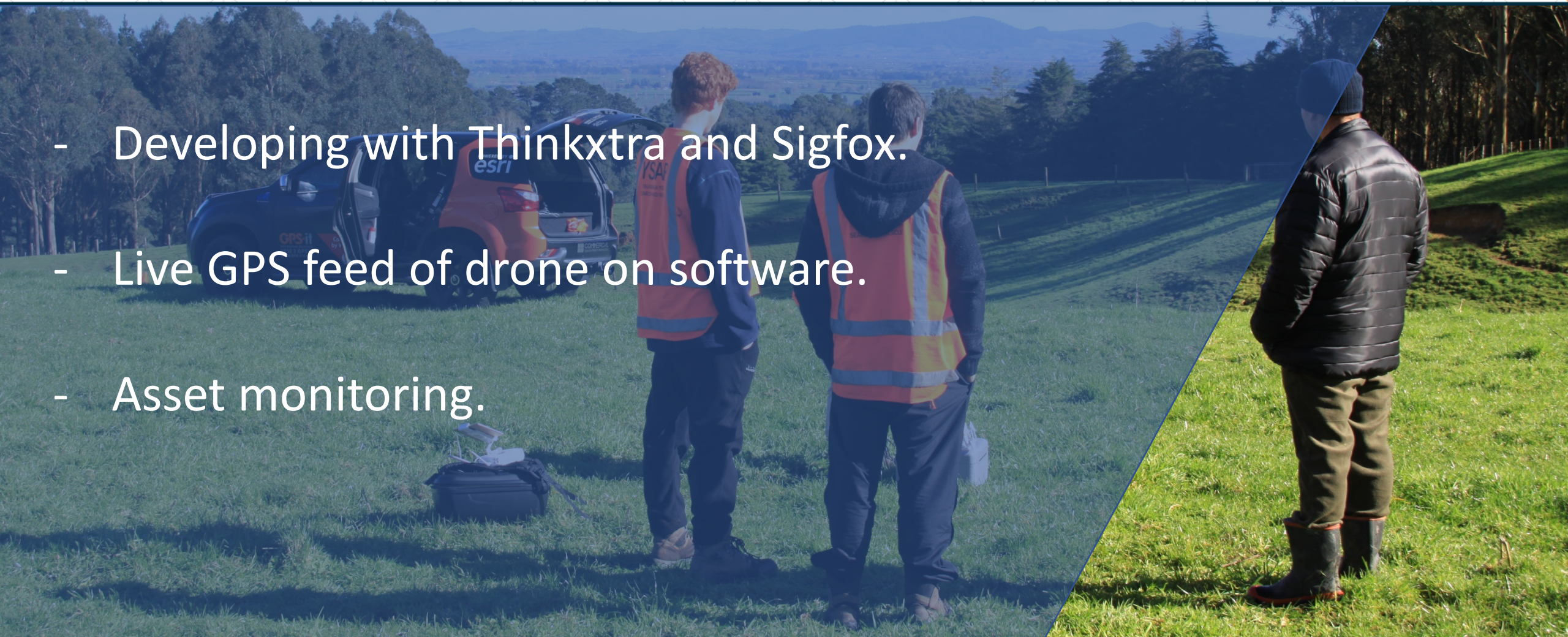

- Developing with Thinkxtra and Sigfox.
- Live GPS feed of drone on software.
- Asset monitoring.

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3 year drone programs.

- Year 1.
- Year 2.
- Year 3.

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- 3rd party drone software.
- Infrared cameras.
- Huge market for drone pilots.
- GPS-IT.

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- Forestry.
- Market for drone pilots is growing.
- YSAR gives the opportunity to peruse this as a career.

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EAGLE
TECHNOLOGY

History:

- Started using ICOM radios on ARC MAP.
- In 2013 we started using SAR TRACK.
- In 2015 we integrated Sitaware.
- Also used by defence force, MPI, Customs and at the cutting edge of SAR.

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Benefits Include:

- Enables tactical planning instead of reactive planning, as we found with SAR Track which just relayed what had already happened, whereas this enables planning and tasking as well.

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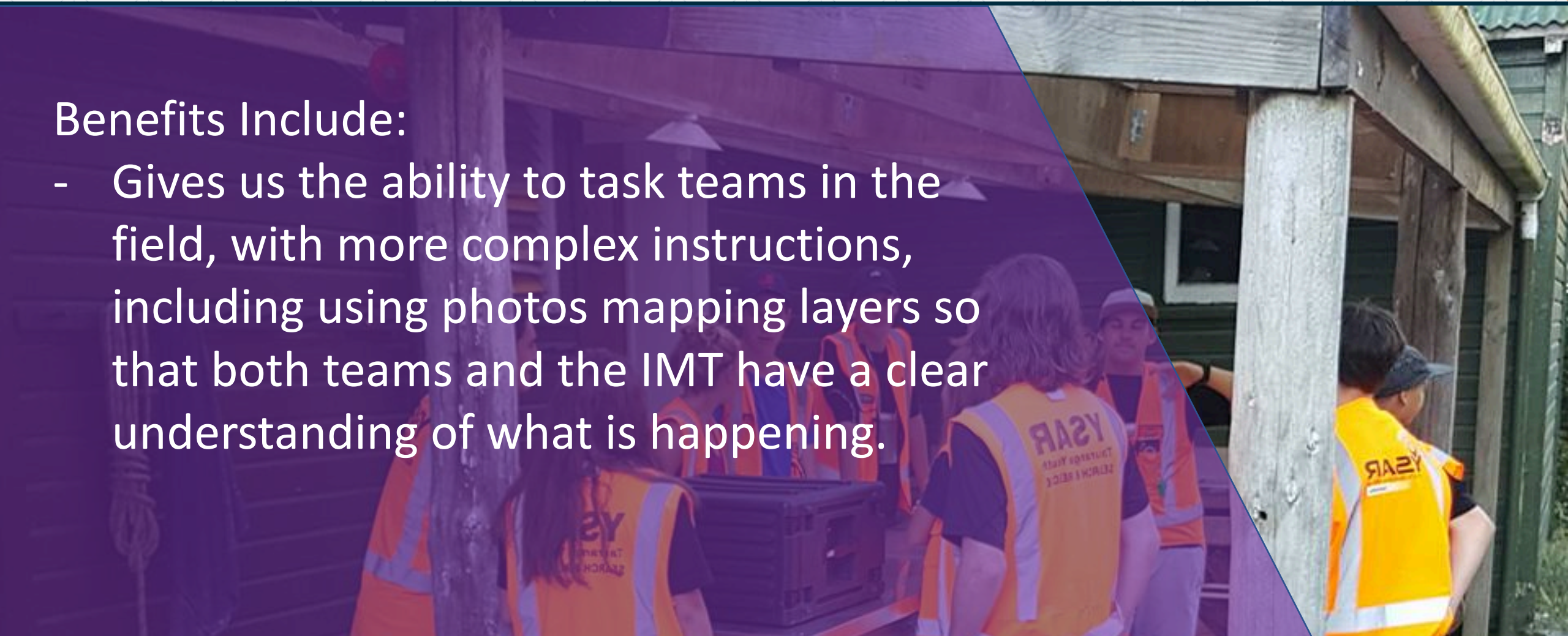
Benefits Include:

- Gives us the ability to task teams in the field, with more complex instructions, including using photos mapping layers so that both teams and the IMT have a clear understanding of what is happening.



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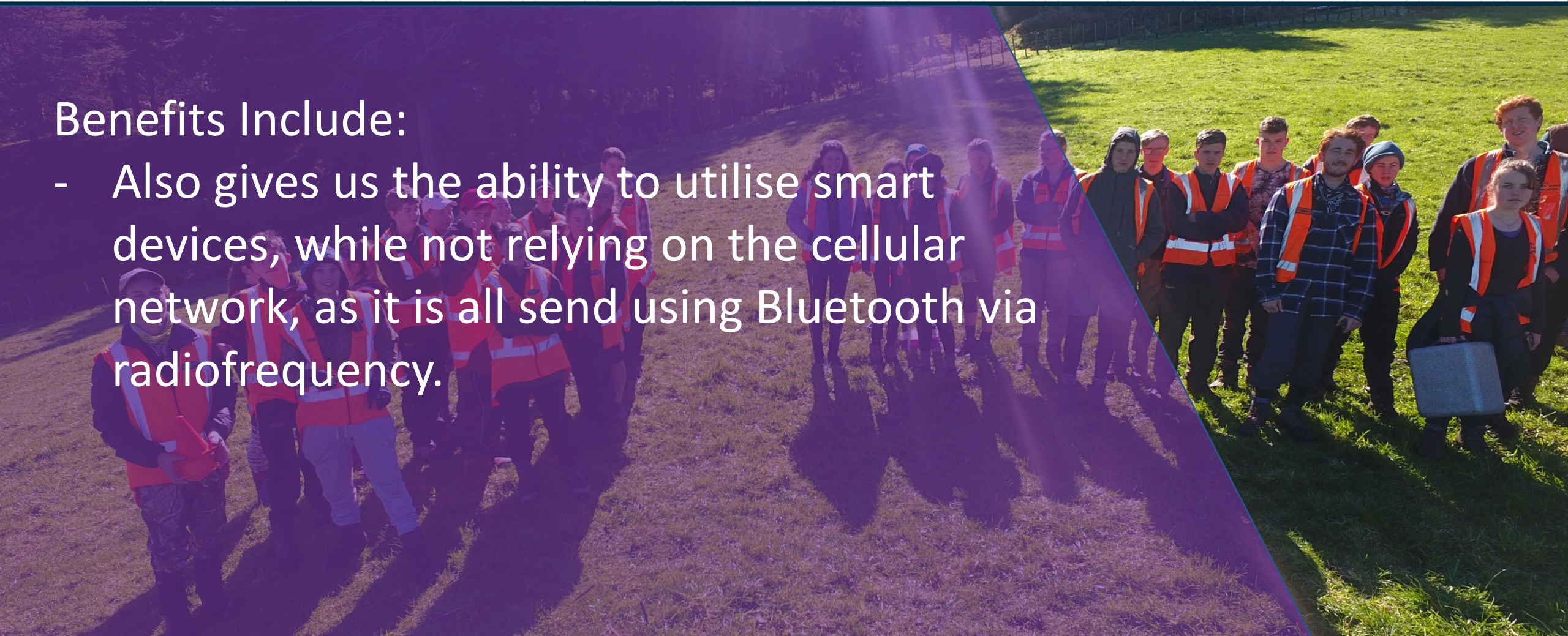

Benefits Include:

- Also gives us the ability to utilise smart devices, while not relying on the cellular network, as it is all send using Bluetooth via radiofrequency.

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Benefits Include:

- The technology is flexible, and is easily adapted to suit individual situations
- Provides information, including multiple mapping overlays, such as aerial, cadastral overlays and Topo maps.
- Can use multiple mapping formats including Shapefiles.

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