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**EXPERIENCES OF UAS IN NEW ZEALAND, PROJECTS WE ARE INVOLVED IN AND HOW THIS IS LEADING DEVELOPMENT**

Remote sensing using UAS as a platform enables a vast amount of data to be collected, this enables many new possibilities but also brings challenges. These challenges lead to research and commercial opportunities.

The consumer UAS market is driven by new features and simplicity of control, this is leading to less skilled pilots and less robust platforms and UAS getting a bad reputation. The result of this is a need for commercial operators to develop safer systems, safer operators and the need to prove accountability.

Both of the above has led to the development of new software, new platforms and new onboard sensors. However there are still many more opportunities for development some of which will be discussed.