**1: Intro**

* Focus: Improvement of Vehicle Sensors
* New technologies, VR and 360° video
* What can it bring?

**2: Problem**

* Situational awareness is vital when on deployment
* Reduced situational awareness reduces combat effectiveness
* Situational awareness is compromised when personnel are at risk
* *We want to maximise situational awareness whilst keeping servicemen/women safe*

**3: 360° Video**

* 360° cameras allow unrestricted view of surroundings
* Powerful tool, but not effective on conventional displays

**4: VR HMD’s**

* HMD’s allow an intuitive way to display video
* Next best thing to being outside the vehicle

**5: Trial Implementation**

* Use Jackal UGV as test platform, Ladybug 5+ camera system,
* Focus on running the camera on the UGV

**6: System Architecture**

* Responsible for the vehicle side of the system
* Make sure it integrates with Live Stream Oculus Project

**7: Results and Conclusion**

* Camera control complete
* Mounting Complete
* Initial Stream Testing
* Potential application on LOAVES or other Land Vehicles/Robots
* Ultimately about keeping servicemen/women out of harms way