# Title Slide:

* Welcome

# Contents Slide:

* Over the next 20 minutes we will:
  + Give a brief description of our project:
    - Problem we have been asked to solve
    - Specification we have reached to solve this problem
  + How we have managed the project so far
  + Our current progress and how this relates to our planned progress
  + And our plans for the future of the project

# Problem Title Slide:

* In order to give you an overview of our project it is important to understand the problems we have been asked to solve

# Problem Slide:

* Main problem is idea of an autopiloted UAV which takes pictures when in the air
  + And stores them on some onboard memory
  + Which is only accessible via physical connection when the aircraft has landed
* Lot of situations where it would be useful to have an idea of what the images are like while we are still in the air
  + We have no idea of quality of images
  + Could be corrupted
  + Camera could not be configured correctly
* We would like to know this before we land the UAV so we can take corrective actions to remedy problem e.g. take more photos
* So it would be very useful for such a UAV to have some method of wirelessly viewing images while it is in the air.

# SkyCircuits Autopilot Slide:

* One such autopilot system where this would be useful is the SkyCircuits autopilot
* Our customer: SkyCircuits, have provided us with an advanced Autopilot module designed to give autopilot capability to a remote control aircraft.
* Lots of very cool features, such as ability to monitor lots of telemetry of aircraft in real-time, autonomously direct the aircraft to GPS waypoints, scripting support and many more
* Notably it also has a wireless link, and allows external ‘payload’ modules to interact and use the wireless link to communicate with a ground station