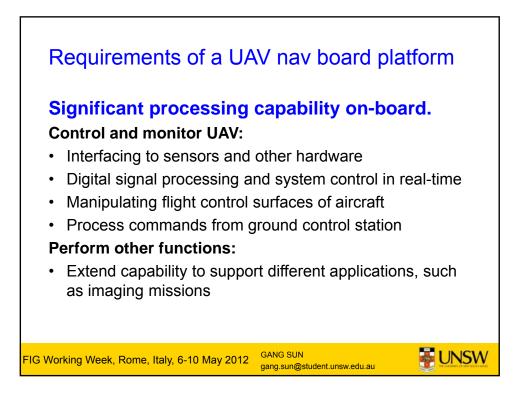
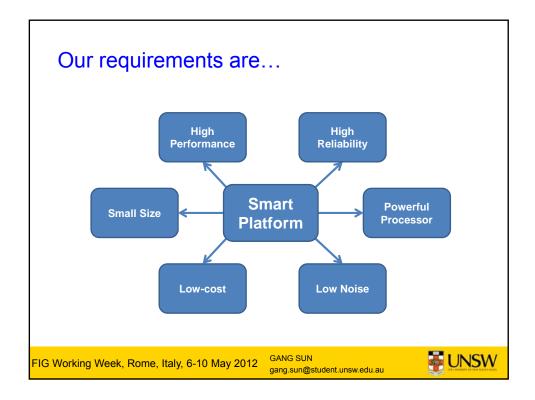
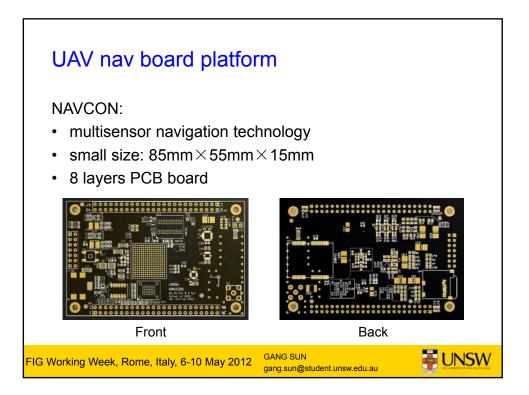


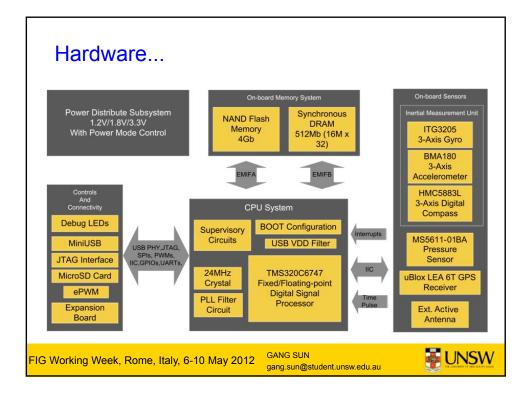
Why?

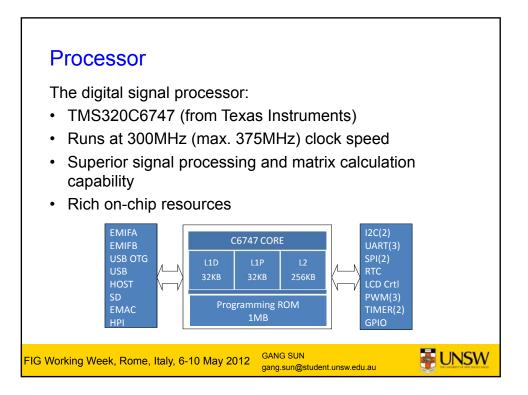
- Because it can be done easily...
- Resources are available...
- · Facilitates a range of navigation projects...

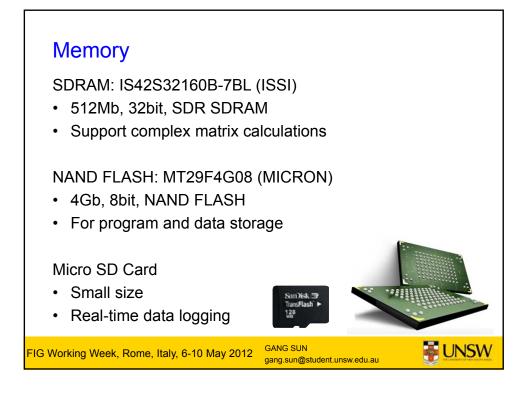


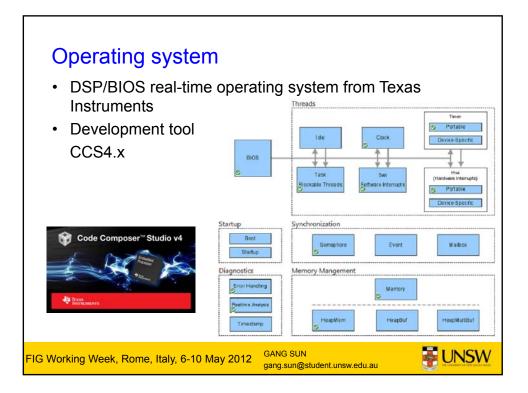


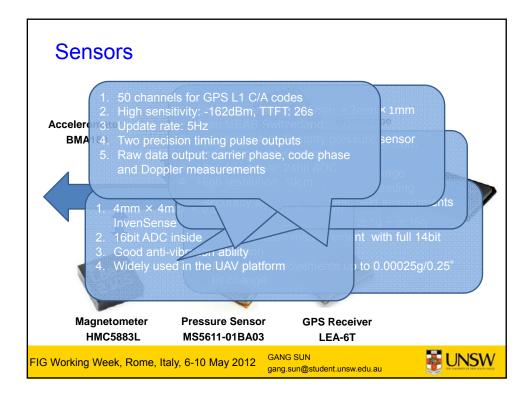












| Accelerometer | Zero-g offset(fine tuning): \pm 5mg Zero-g offset temperature drift: \pm 0.5mg/K Noise density: 150 – 200ug/ \sqrt{Hz} Nonlinearity: \pm 0.15 – \pm 0.75%FS |
|----------------|--|
| Gyroscope | Initial ZRO tolerance: $\pm 40^{\circ}$ /s Temperature nonlinearity: 0.2% Noise density: 0.03° /s/ \sqrt{Hz} |
| Magnetometer | Sensitivity: 4.3mgauss/digit Compass heading accuracy: 1° ~ 2° |
| Pressure sense | r High resolution: 10cm Accuracy(std.): ±1.5mbar Error band: ±2.0mbar |
| GPS receiver | Horizontal accuracy: 2.5m Velocity accuracy: 0.1m/s Heading accuracy: 0.5° Time pulse signal accuracy: 30ns (15ns after compensation) |

