















Small Is Beautiful

- Miniaturization as a necessity
- Small is cheap (~20K\$/KG)
- Affordability and availability
- 200-300 Kg











Space SAR Payload

- An affordable space borne SAR satellite that operates day and night in all weather condition.
- The payload is capable of multi mode operation:
 - High Resolution.
 - Wide Coverage.
 - Electronic beam steering













Future Trends

• 100Kg→10→1Kg

 A host docking satellite with multiple cubesats no larger than 10 cm on any side able to place for instance a black swath of adhesive material over a satellite lens or solar array – then removed once the objective has been met.



ESCORT INSPECTION MICROSATELLITE

Monitor space around a large satellite to detect attacks

Stealthily inspect and monitor a large satellite to determine its capabilities

Stealthily attack to permanently or temporarily disable a large satellite

Actively defend a large satellite against attack by microsatellites











There are three possible roads to ruin women, gambling and technology. The most pleasant is with women, the quickest is with gambling, but the surest is with technology.

Georges Pompidou