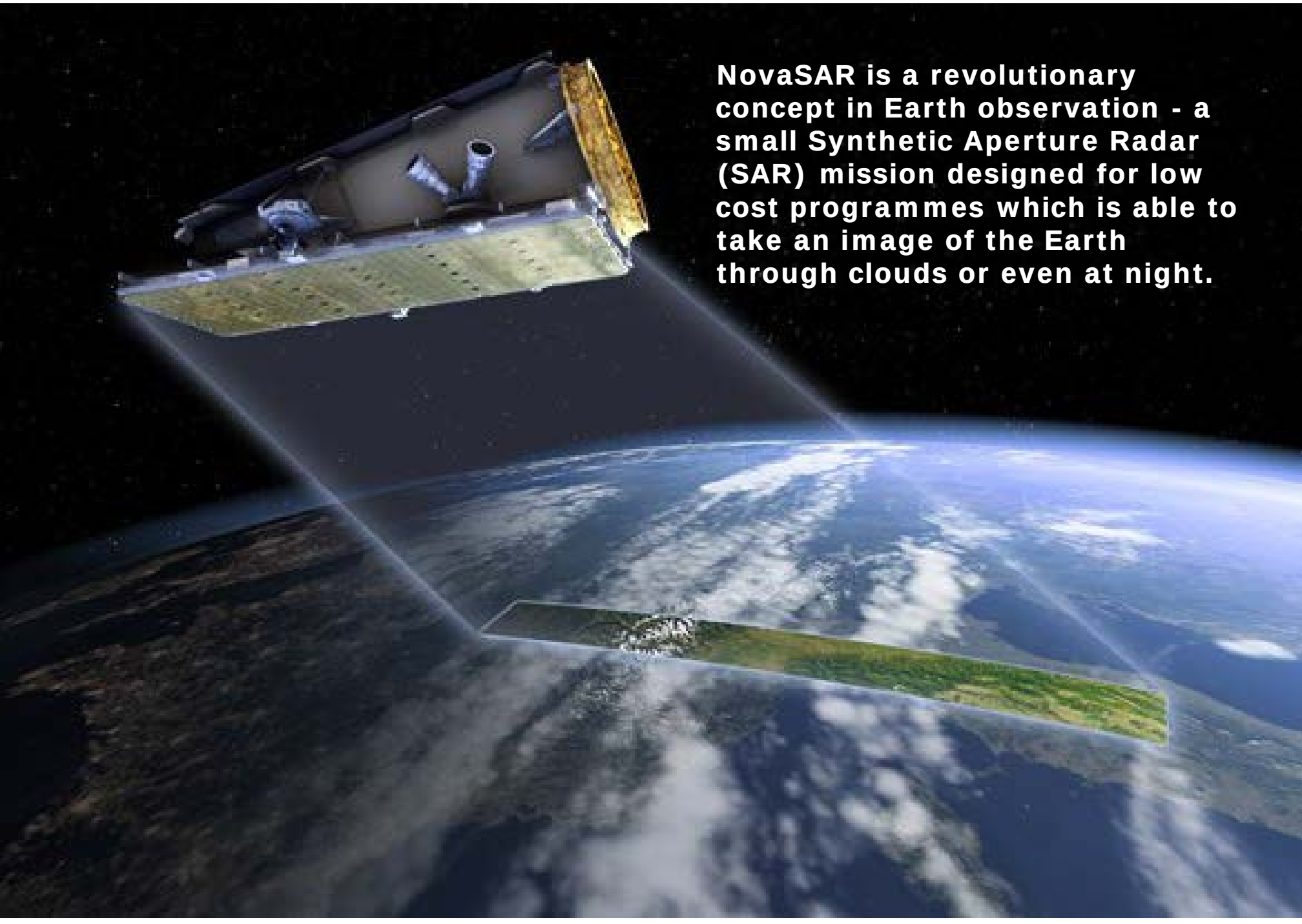
SURREY
SATELLITE TECHNOLOGY LTD



NovaSAR is a revolutionary concept in Earth observation - a small Synthetic Aperture Radar (SAR) mission designed for low cost programmes which is able to take an image of the Earth through clouds or even at night.

NovaSAR

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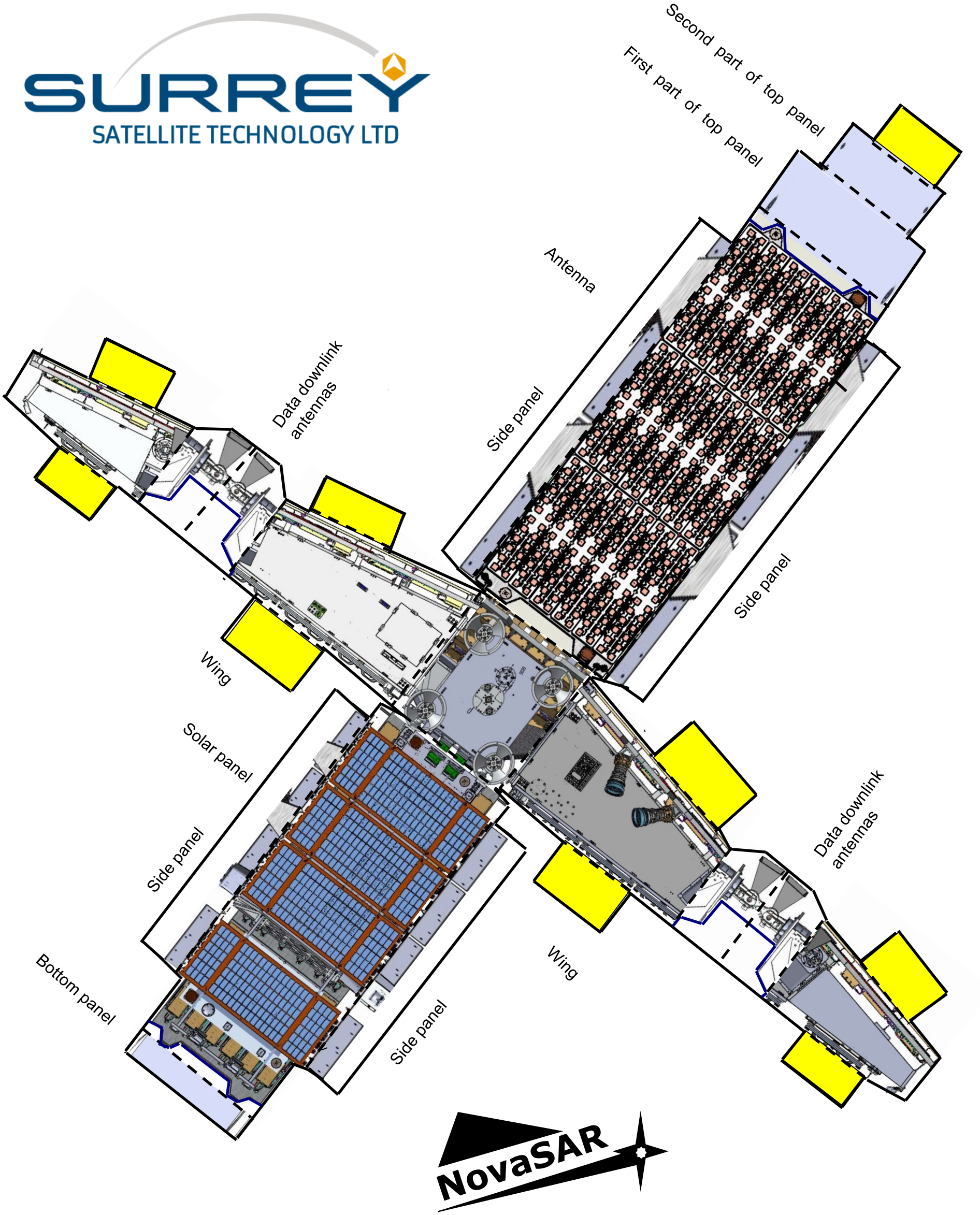

NovaSAR

www.sstl.co.uk

Paper model designed by Geoff Sherwood

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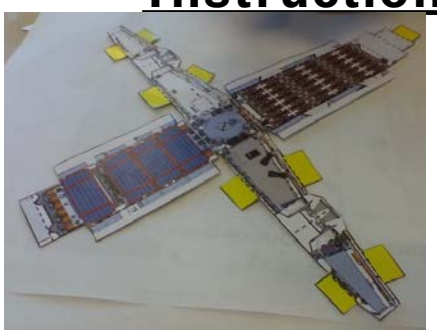
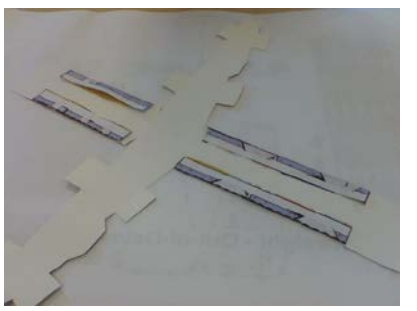
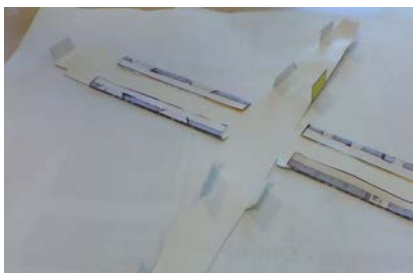
Instructions to make the NovaSAR satellite



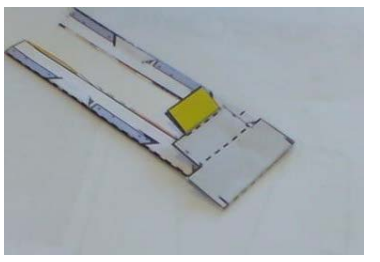
1. Firstly cut carefully around the solid black lines bordering the net of the satellite. Do not cut through the dashed or blue lines.



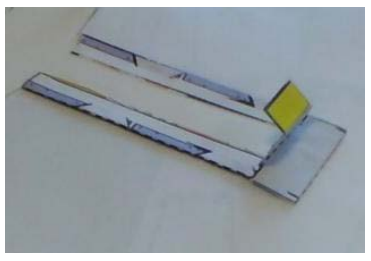


2. Once the first step is complete and the net is cut out begin folding along dashed lines near the side panels. Fold the card 180 degrees along the dashed line and glue each one of them to the underside of the net ensuring each side panel is well stuck down.

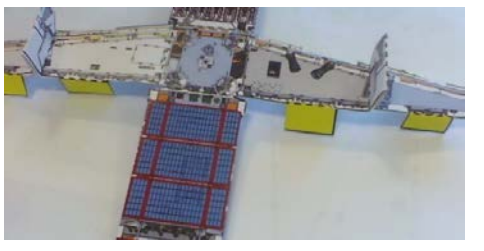
3. After this fold all the yellow tabs, across the dashed lines, 90 degrees down toward the unprinted side of the card but do not glue.



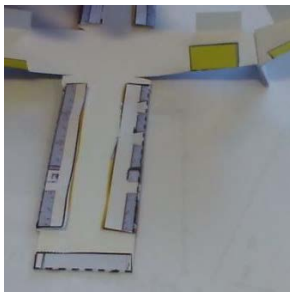
4. Now fold the first top panel across the dashed line 180 degrees and glue it to the underside of the card. However do not glue the second part of the top section or tab to the card



5. Fold the second part of the top section 90 degrees upward.

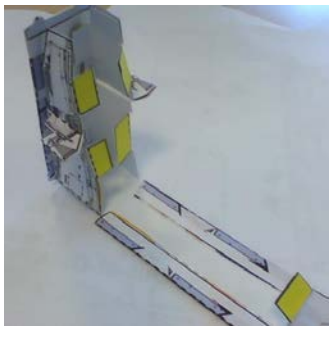


6. Fold along the dotted lines of the data downlink antennas so they protrude at 90 degrees away from the panels. Then unfold and add glue to the unprinted side and stick the two sides of the data downlink antennas together.



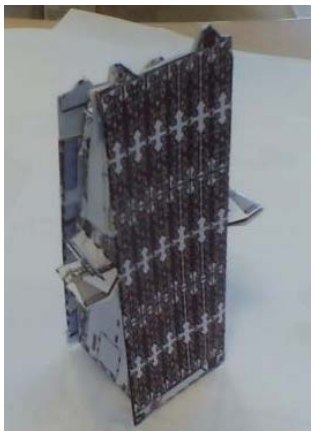
7. Fold the bottom panel, again across the dashed line, 180 degrees toward the unprinted side of the card then glue it in place.

8. Cut along all blue lines.



9. Now fold along the dashed lines around the base 90 degrees downward so when the satellite is assembled the printed side will be on the outside. Then add glue to the yellow sides of the tabs on the wings of satellite and bend the wings to the solar panels inside the coloured parts of the side panels and press the tabs down to glue the three together.

10. Then add glue to the rest of the tabs and fold the antenna down tucking the tab above to top tab between the wings and glue to the solar panel.



11. Leave to dry.