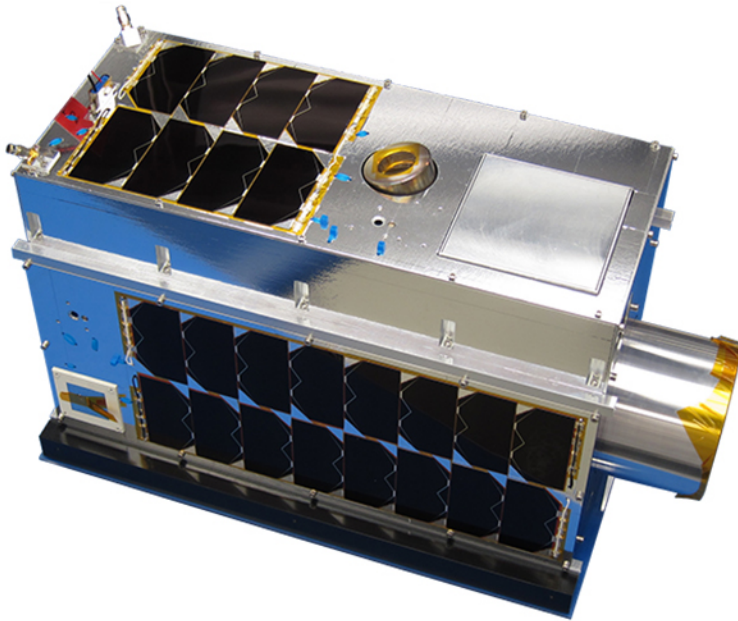


GHGSat-D (Green House Gas - Demonstrator) or “Claire”



In June 21, 2016, GHGSat launched the world's first high-resolution satellite (GHGSat-D or “Claire”) capable of measuring greenhouse gas carbon dioxide (CO₂) & methane (CH₄) emissions from any industrial facility in the world. GHGSat is using this unique satellite and its patented technology to provide greenhouse gas emissions monitoring data and services globally, with better accuracy and at a fraction of the cost of comparable alternatives.

GHGSat-D will monitor greenhouse gas (GHG) and air quality gas (AQG) emissions for several industries, including: Oil & gas, Power generation, Mining, Pulp & paper, Pipelines (natural gas), Landfill, Chemicals, Metals & aluminum, Cement, Agriculture, Transportation.

GHGSat's innovative sensor technology has also been miniaturized to fit on a low-cost nanosatellite, enabling the company to offer commercial greenhouse gas measurement and monitoring services. GHGSat will use its technology to help industrial emitters to measure, control and ultimately reduce their emissions.

QUICK FACTS...

GHGSat-D (or “Claire”) has a launch mass of 15 kg (9 kg of which are dedicated to the payload) and a volume of 20 x 30 x 42 cm. In addition, there is a mezzanine of size 7 x 18 x 42 cm on one side (-X).

Claire orbits the Earth every 90 minutes or so, travelling at over 7 km per second

Claire measures two greenhouse gases – carbon dioxide and methane – which together represent over 90% of all GHG emissions worldwide

GHGSat is initially using Claire to help industrial emitters in sectors such as oil & gas, power generation, mining, waste management and agriculture – which together represent over 50% of all GHG emissions worldwide

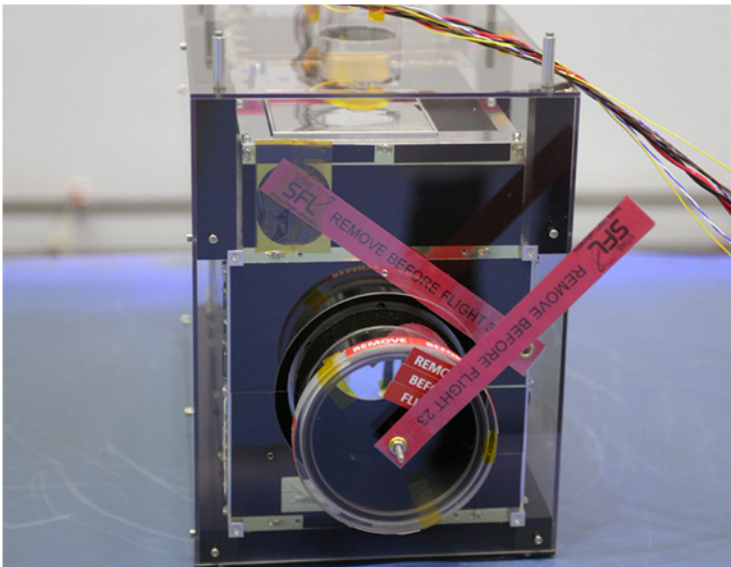
Claire is expected to operate for 5 years; the satellite will burn-up in the atmosphere after its mission is complete

Claire alone has sufficient capacity to measure over 1,000 sites per year; GHGSat is already sufficiently confident in Claire's performance to have ordered two follow-on satellites, and will ultimately offer services for hundreds of thousands of industrial sites around the world.

Many GHGSat customers are motivated by the cost of GHG emissions from their industrial facilities. The World Bank reports that the Carbon Market (carbon trading, taxes and credits) is worth over \$50B today, and growing. Assigning a value to each ton of GHG emissions creates a financial motivation for industrial emitters to manage their financial risk by understanding, controlling and reducing their emissions.

GHGSat's industry team for building Claire has operations in Montreal and Toronto

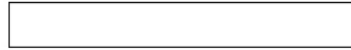
GHGSat is licensed to operate Claire by the Government of Canada



GHGSat-D (Green House Gas - Demonstrator) or "Claire"



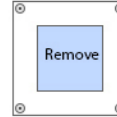
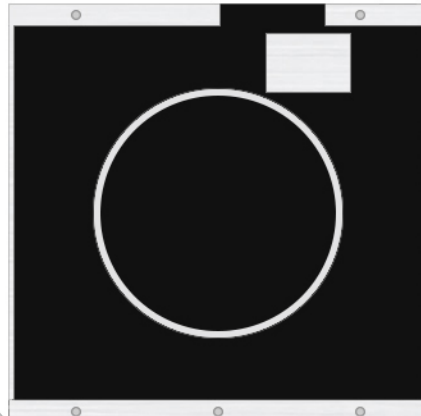
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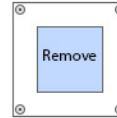
Glue these to cardstock

reinforce the body by gluing cardstock to the back before folding and gluing it into a long box for a robust model.

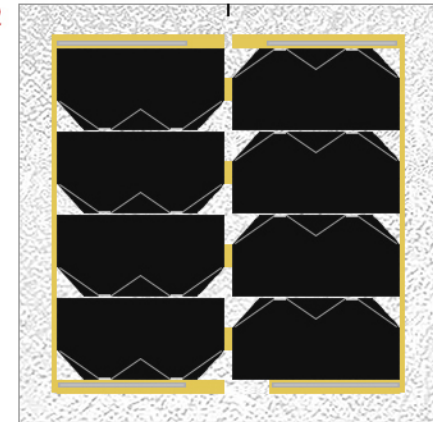
1



4



2



3



8



3



Glue part 2 here

4



4



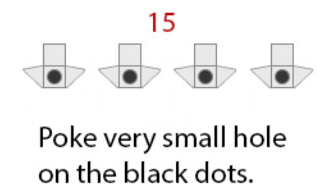
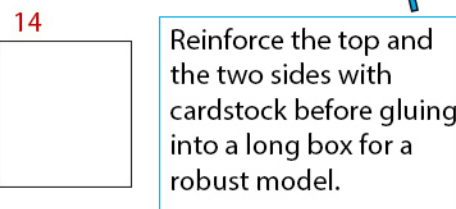
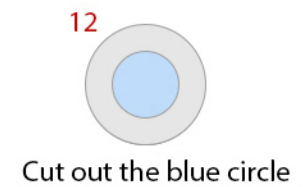
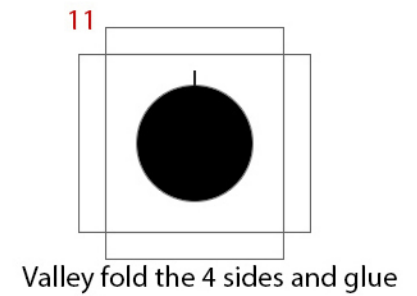
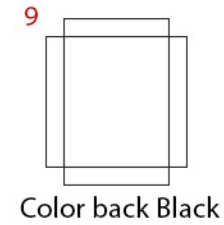
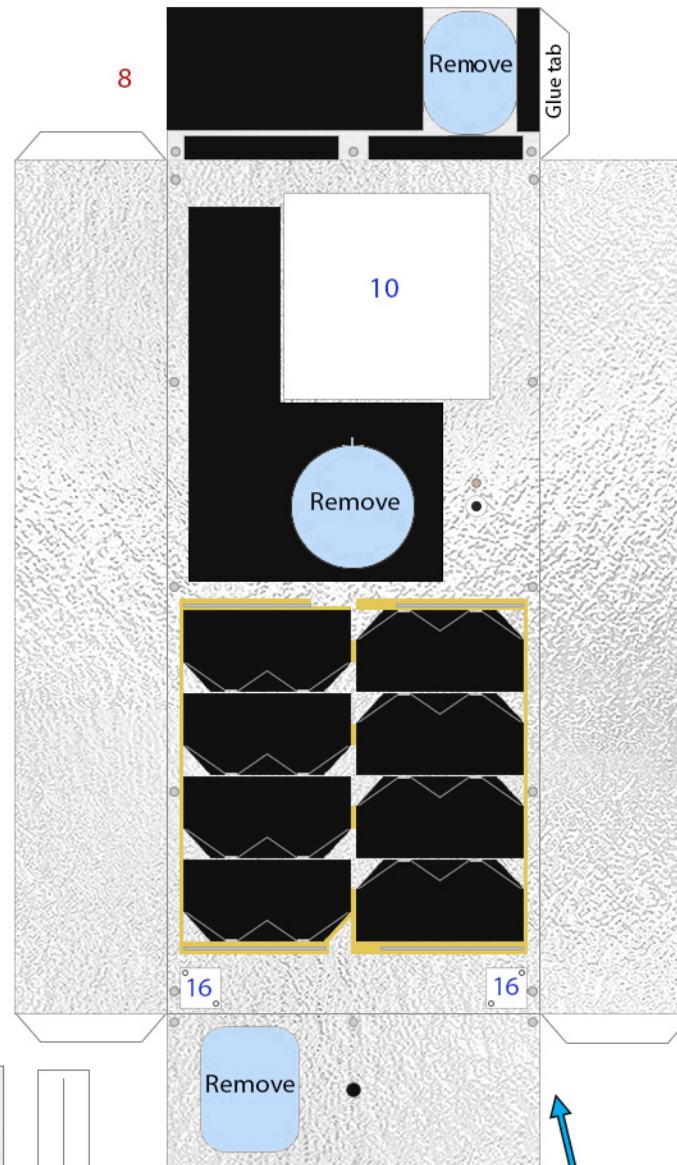
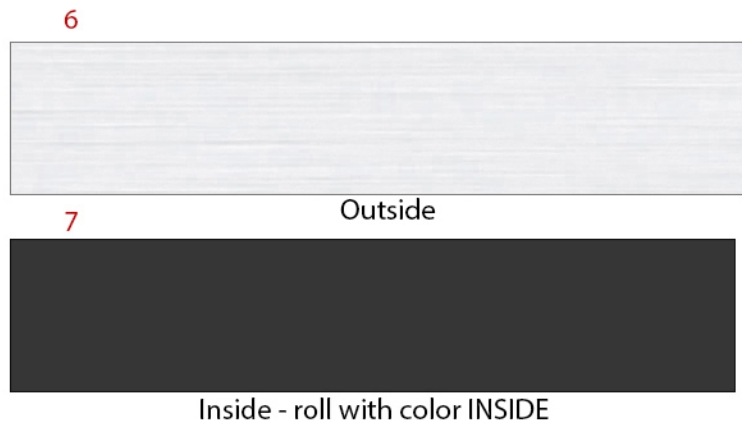
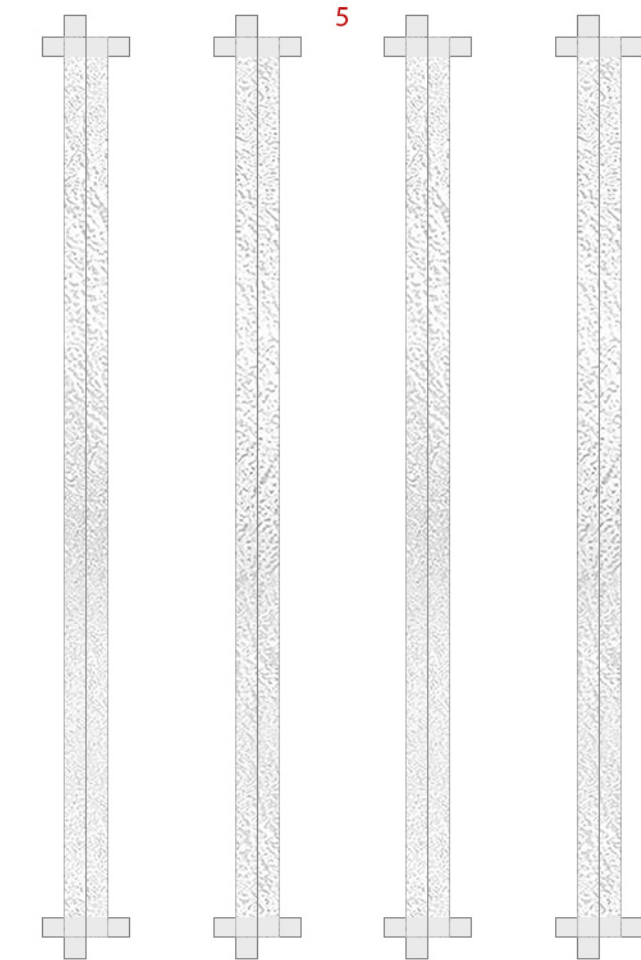
16



16



GHGSat-D (Green House Gas - Demonstrator) or "Claire"



GHGSat-D (Green House Gas - Demonstrator) or "Claire"

Need plastic broom straw or thin stiff wire cut at the same length as the line below, colored light grey or silver for the antennas. Make 4 of them.

