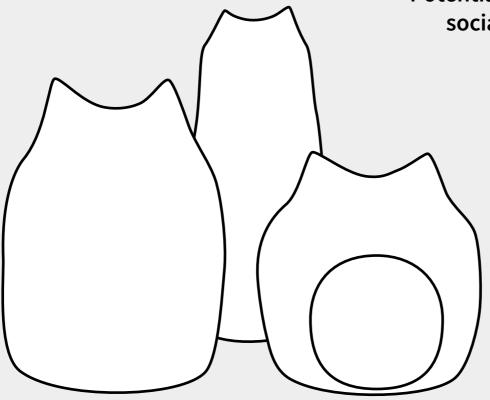
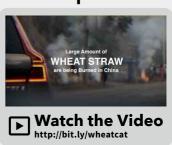
01. WHECAT

Potential of materials to help solve social & environment problems



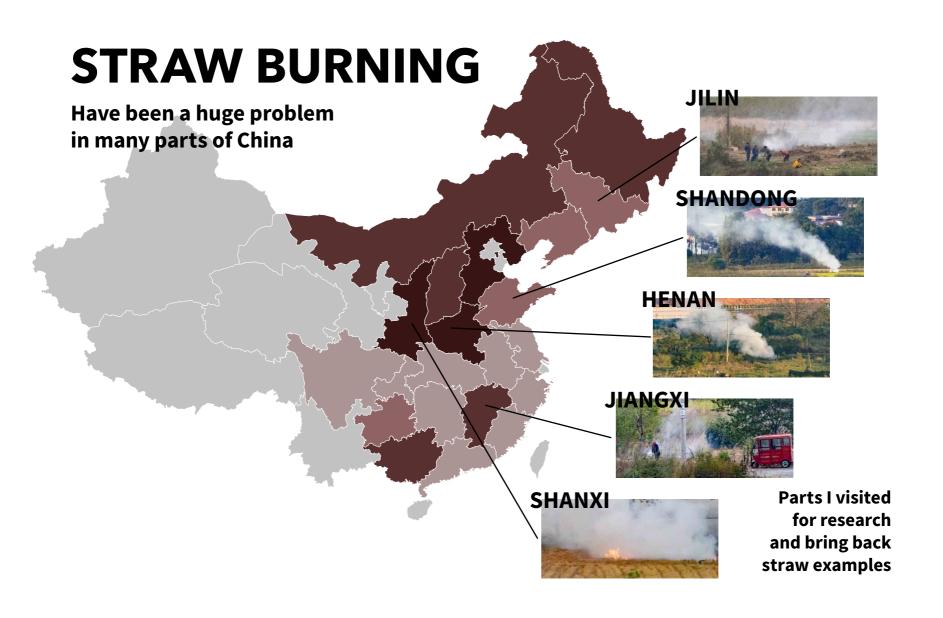


WHECAT is a set of modular cat supplies made from wheat straw that used to be burned

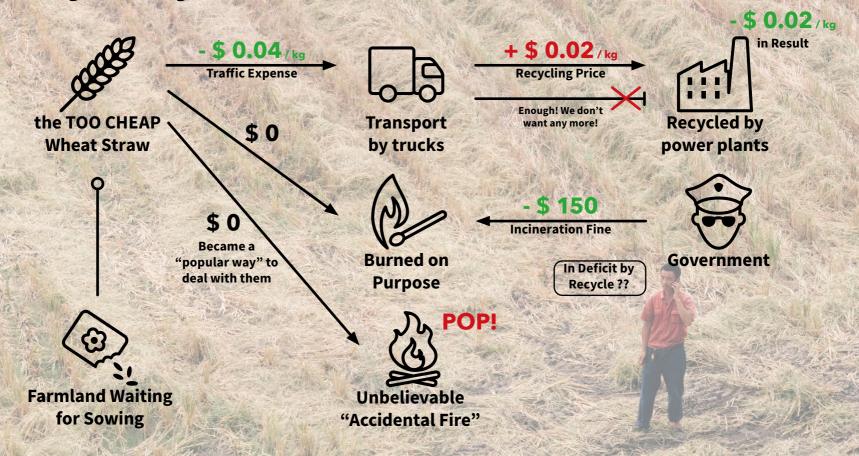








Why they have to burn straw?





TOO CHEAP TO COLLECT

Large quantities of straw were burned after the harvest season in China

Farmers have to quietly burn straw that occupies a large amount of arable land causing serious deterioration in ambient AQI (Air Quality Index)













What if we can increase the value of straw by using design method and simple processing?





MATERIAL & STRUCTURE TESTS

Wheat \ Sorghum \ Fibre \ Skewer Jun 2019 - Jan 2020



Stray cats usually use wheat straw as shelters against cold in winter

Traditional shelters contain plastic, cloth, metal and glue and are difficult to have garbage classification.



Potential of Wheat Straw As Cat Supplies





YANGGUO TOWN in SHAANXI



Villagers use straw to make straw braids in there free time



Villager sell straw braids to the factory as \$ 0.5/m

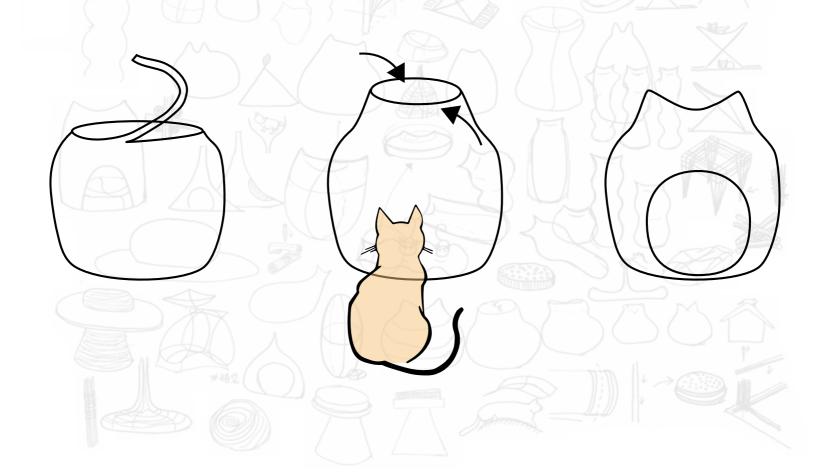


They coiled stitched straw braids to make straw hats



"Our village is famous for straw hat making, most families even earn more through wheat by-product than selling wheat itself."

Inspiration & Forming Solution





Making Process of WHECAT



Making Straw Braids using raw material wheat straw



Villagers sell braids to the factory as \$ 0.5/m



Sorting through its width and make the braids wet



Coiled stitched straw braids



Sewing the sealing



Form Assessment















