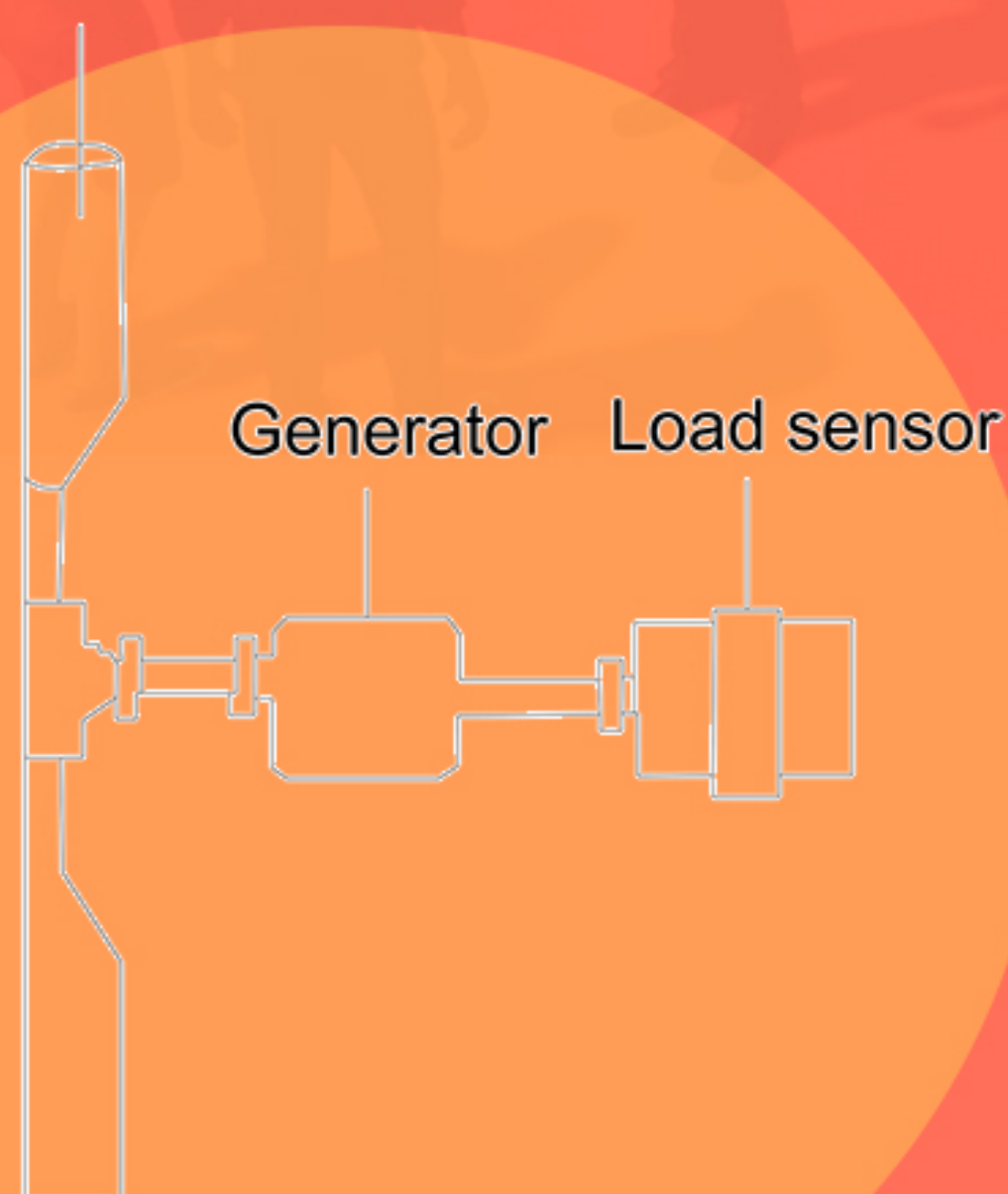


WEIGHT RESPONSIVE
SENSOR

Cloth clasp

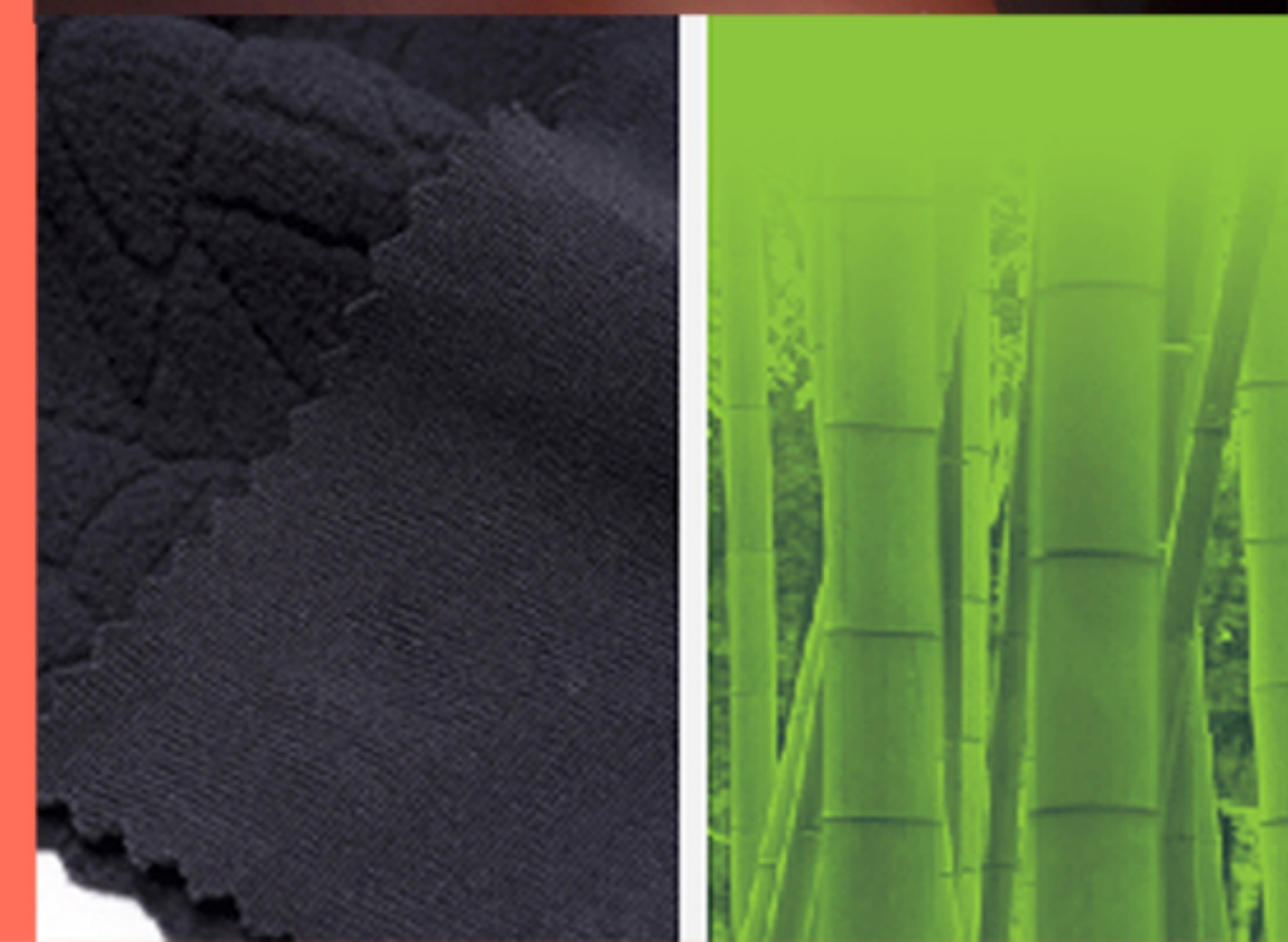


Water capacity of fabric unit (D) = $\frac{(\text{Area of fabric} \times \text{gsm}) \times 3}{1000}$
 Length: 7.962m
 Width: 0.241m
 Area = $L \times W = 7.962 \times 0.241 = 1.919\text{m}^2$

■ Total water capacity of a module = Fabric unit (A) + Fabric unit (B) + Fabric unit (C) + Fabric unit (D)
 = $10.6281 + 17.345 + 48.448 + 16.924 = 93.345 \text{ L}$

FABRIC & TECHNOLOGY:

Natural bamboo fibres are highly water absorbent, able to take up to three times its weight in water and when coated with nano technology, the process of humidity to water is enhanced. The bamboo fabric used is 420 gsm (grams per square metre). Nano coating technology is based on naturally occurring moisture-gathering mechanisms developed by researchers at Harvard University. The reversible switching between absorbing- superhydrophilic/ releasing- superhydrophobic states results from structural changes of a magnetic weight responsive sensor.



DRIP-DROP