

Graphene

Graphene is basically a substance which is 300 times stronger than steel and made of only a thin layer of pure carbon, making it literally as light as a feather. Each sheet of graphene is only one atom thick, and one square meter weighs just 0.77 milligrams. In 2010 the Nobel Prize for Physics went to scientists researching this super film, and in 2013 a 1 billion dollar grant was awarded by the EU to researchers in the field.

The uses of this technology could be revolutionary: Space exploration and the aviation industry would benefit from the extremely light and strong material that could be used in aircraft construction. Graphene could revolutionize electronic devices by enabling lightweight, thin, flexible, yet durable display screens, cellphones, and much more. Graphene would also revolutionize transistor componentry and solar pane construction.

