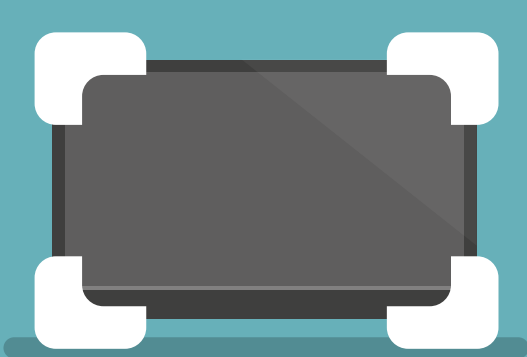


PLASTIC SAVES

PLASTIC SAVES ENERGY

Without **EPS PACKAGING** energy consumption would double when compared to alternatives

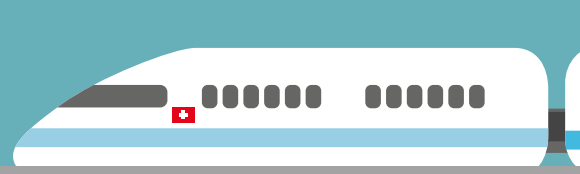


Insulating foams in buildings save **2,400 MILLION TONNES** of greenhouse gas globally in their lifetime

of greenhouse gas globally in their lifetime



The use of plastic composite panels in Swiss trains has led to a **25% REDUCTION** in weight and consequently significant energy savings



Recycling just one plastic bottle saves enough energy to power a 60W light bulb for **SIX HOURS**



PLASTIC SAVES CARBON

Recycling 1 tonne of plastic bottles saves **1.5 TONNES** of carbon

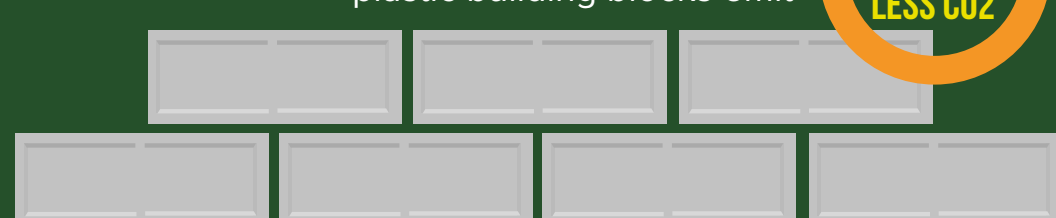


To replace all the plastic bags being used in the European Union with paper ones in one year, you would need to cut down an additional **2.2 MILLION TREES**

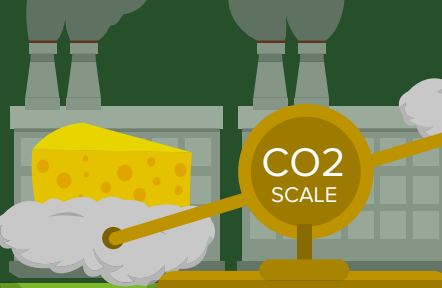
which would prevent 2,188 metric tonnes of carbon being absorbed by the trees



Compared to traditional building bricks, plastic building blocks emit **95% LESS CO2**



The production of 1kg cheese results in a CO2 impact equivalent of 11kg, which is almost **6 TIMES BIGGER** than the CO2 impact equivalent of 1kg PVC

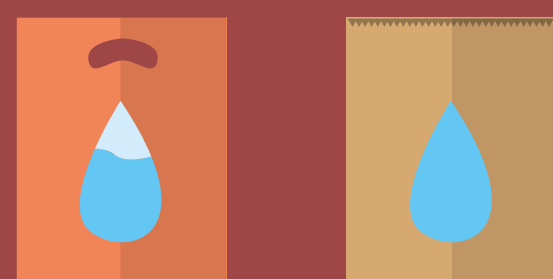


PLASTIC SAVES WATER

Using plastics in modern washing machine drums reduces water consumption by **40-50%**



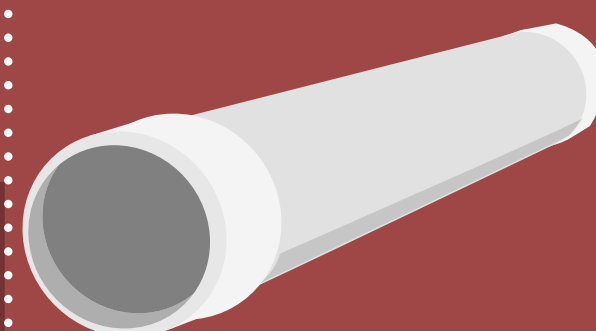
The production of plastic bags consumes **LESS THAN 4%** of the water needed to make paper bags



Officials in Los Angeles recently released 96 million plastic balls into the 75-acre Los Angeles Reservoir in hopes of preventing **300 MILLION GALLONS** of water from evaporating each year



Plastic pipes have the lowest overall failure rate when compared to other materials and are designed to last more than **100 YEARS**



PLASTIC SAVES FUEL

Over the lifetime of the average car, lightweight plastic parts save around **3,000 LITRES** of petrol as a result – which would get you to and from New York almost five times!



For every 7 trucks needed to deliver paper bags,



only **1 TRUCK** is needed for the same number of plastic bags



Plastics pipes use **LESS ENERGY** to produce than concrete or iron and since lightweight they save on transport costs and emissions in the building industry



The Boeing 787 Dreamliner is comprised of **50%** plastic composites by weight & **80%** by volume, which contributes to a **20% FUEL SAVING**



PLASTIC SAVES LIVES

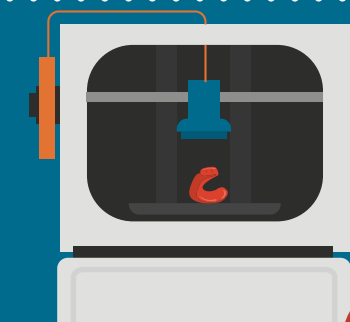
Over **3,000** police officers' lives have been saved over the past 30 years due to the fact that protective vests are made with tough plastics materials



Seat belts, when used, reduce the risk of fatal injury to front-seat passenger

Car occupants by **45%**

light-truck occupants by **60%**



There are more than **10 MILLION** 3D printed hearing aids worldwide

Every year, about **600,000** pacemakers, insulated by a polymer, are fitted globally



PLASTIC SAVES FOOD

Wrapping bananas in a modified atmosphere bag extends shelf-life by **2 TO 3 DAYS**



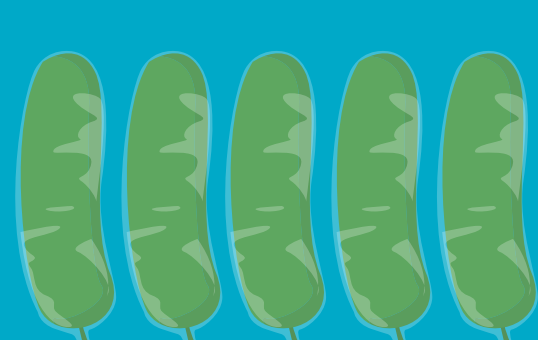
In Europe, **ONLY 3% OF ALL PRODUCTS** delivered to customers are spoilt during transport thanks to packaging – compared to 50% in developing countries



The shelf-life of beef can be **EXTENDED BY 5-10 DAYS** when using the most advanced plastics packaging solution



Wrapping a cucumber in plastic film extends its shelf-life to up to **14 DAYS**



For more information, please visit

www.polymerzone.co.uk