

This quantitative approach is based on assumption that every Internal Combustion Engine has been fitted with the fuel catalyst

	2012		Fitch Fuel Catalyst benefits (fuel savings in guaranteed range from 5%-12%)	
Total fuel consumption	31,839,000,000 litres	reduction	5%	12% reduction on fuel consumption
CO2 emission from petrol	2.3 kg per litre	0.766667	33%	33% reduction in harmful gasses emissions when burning fuels
CO2 emission from diesel	2.7 kg per litre	0.9		
CO2 emission from LPG	1.6 kg per litre	0.533333		
	2.2 AVG per litre	0.733333		

Total estimated CO2 emissions[kg] 70,045,800,000 kg in 2012

Tier 1	from 5%	up to 12%	<i>in some instances up to 15% -17% for older engines</i>
Total hypothetical possible savings in fuel consumption[l] range	1,591,950,000	3,820,680,000	litres of NOT BURNED fuel
Reduction in gasses emissions due to reduction in fuel consumption[kg] range	3,502,290,000	8,405,496,000	kgs of NOT released harmful emissions

Tier 2 Hypothetical possible reduction in harmful gasses[kg] burned (range) 50,199,490,000 48,565,088,000 kg

TOTAL hypothetical possible reduction in harmful gases (range) 53,701,780,000 56,970,584,000 kg

Total hypothetical NET estimated CO2 emissions[kg] (range) 16,344,020,000 13,075,216,000 kg

	0.233333333	0.186666667
<i>TOTAL hypothetical possible reduction in harmful gases % (range)</i>	77%	81%