

Human Progress

DOOMSLAYER

a newsletter that cuts through the gloom



[Blog Post | Energy Production](#)

More Oil or More Knowledge?

We can use up oil, but we can't use up knowledge.

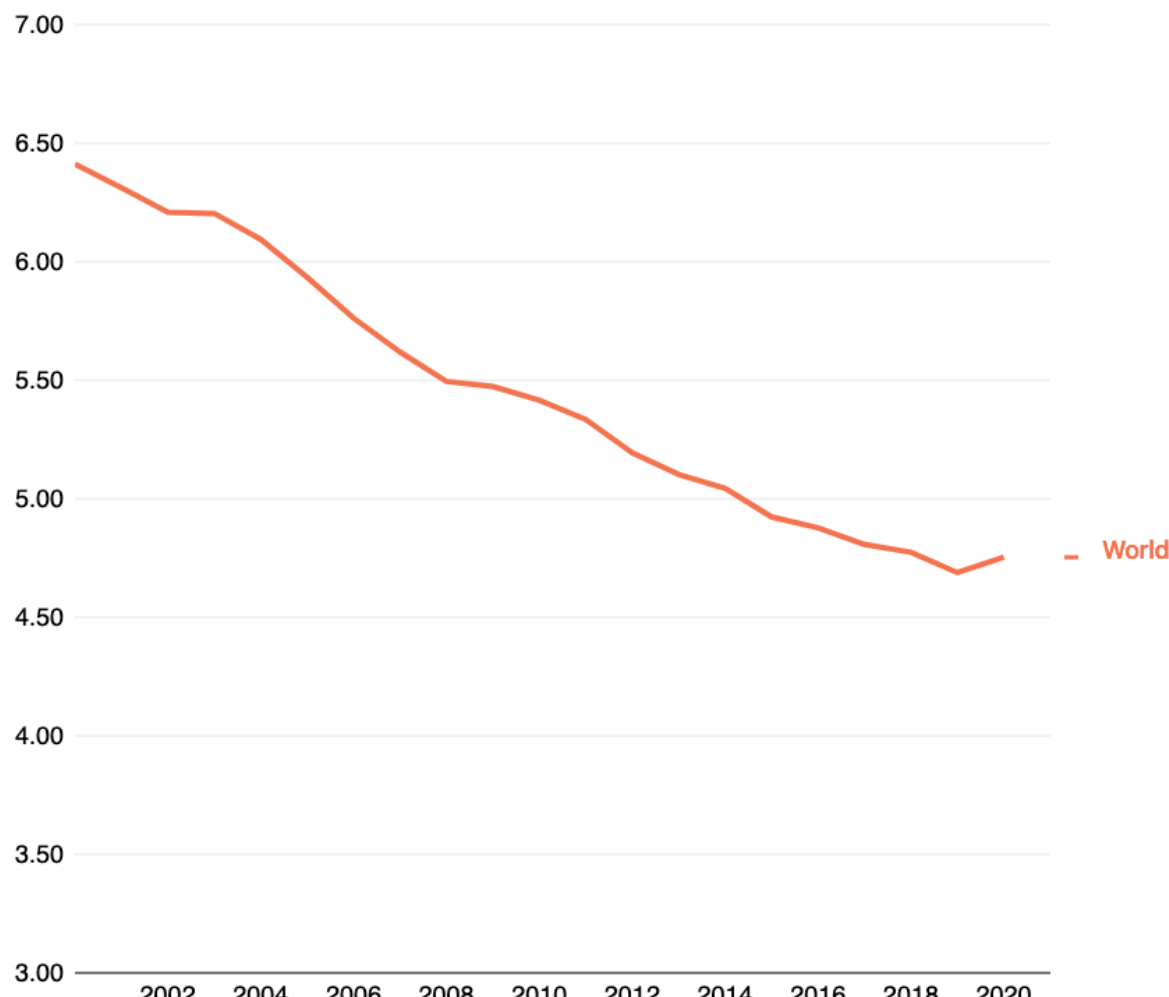
The more oil we consume, the more we discover, and the more value we can extract from it.

Thanks to the growth in knowledge, proven oil reserves have grown by 158 percent since 1980, while fuel efficiency has increased by 55 percent.

[Read more](#)

Energy intensity level of primary energy

MJ/\$2017 PPP GDP (2000–2021)



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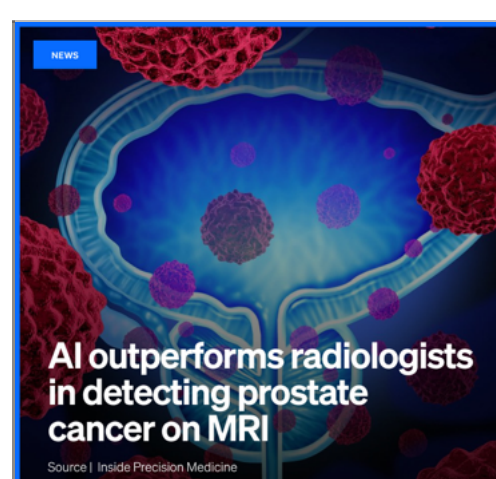
The fruits of knowledge are not limited to oil.

The chart above shows the average amount of energy needed to produce a US dollar's worth of GDP, adjusted for inflation and purchasing power.

In short, all around the world, we are learning how to produce more economic value from a given quantity of energy.

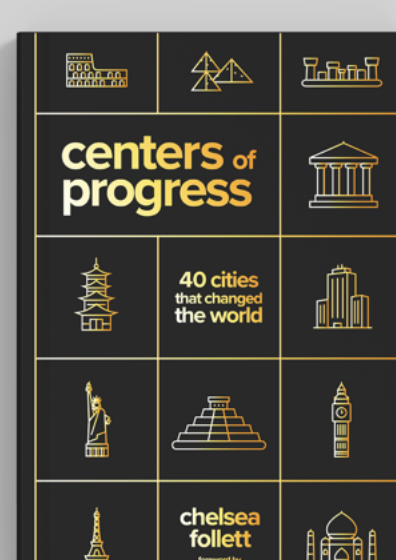
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