

Green IT

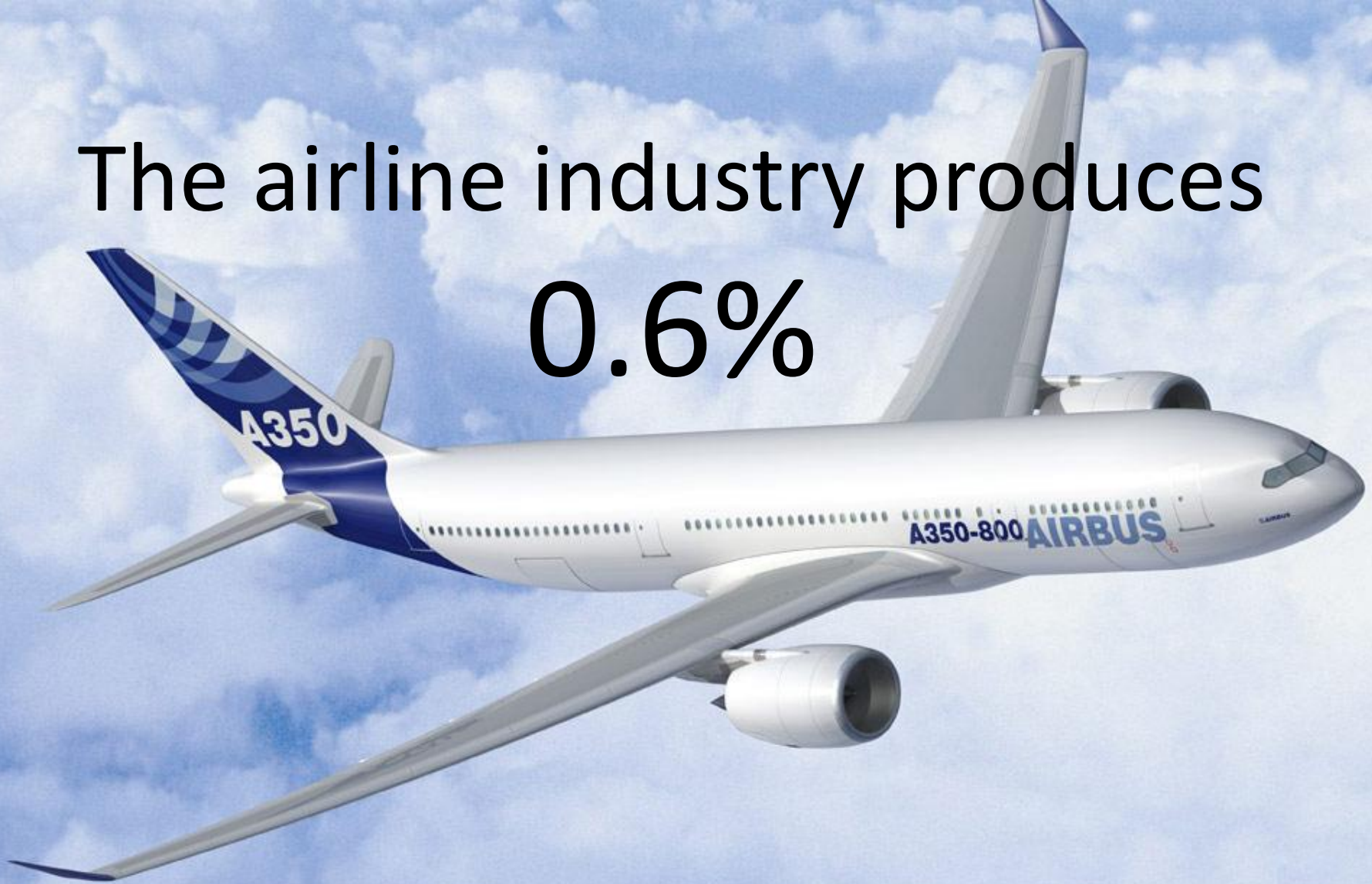
A glowing green lightbulb is the central focus of the image. It has a classic incandescent shape with a visible filament. Bright green rays emanate from the bulb, creating a starburst effect against the dark background. The text "Did you know?" is superimposed over the lower half of the bulb in a white, sans-serif font.

Did you know?



Data centers produce **0.3%**
of the world's CO2 emissions.

The airline industry produces
0.6%





The average server has roughly the same annual carbon footprint as an SUV doing 15 miles-per-gallon.

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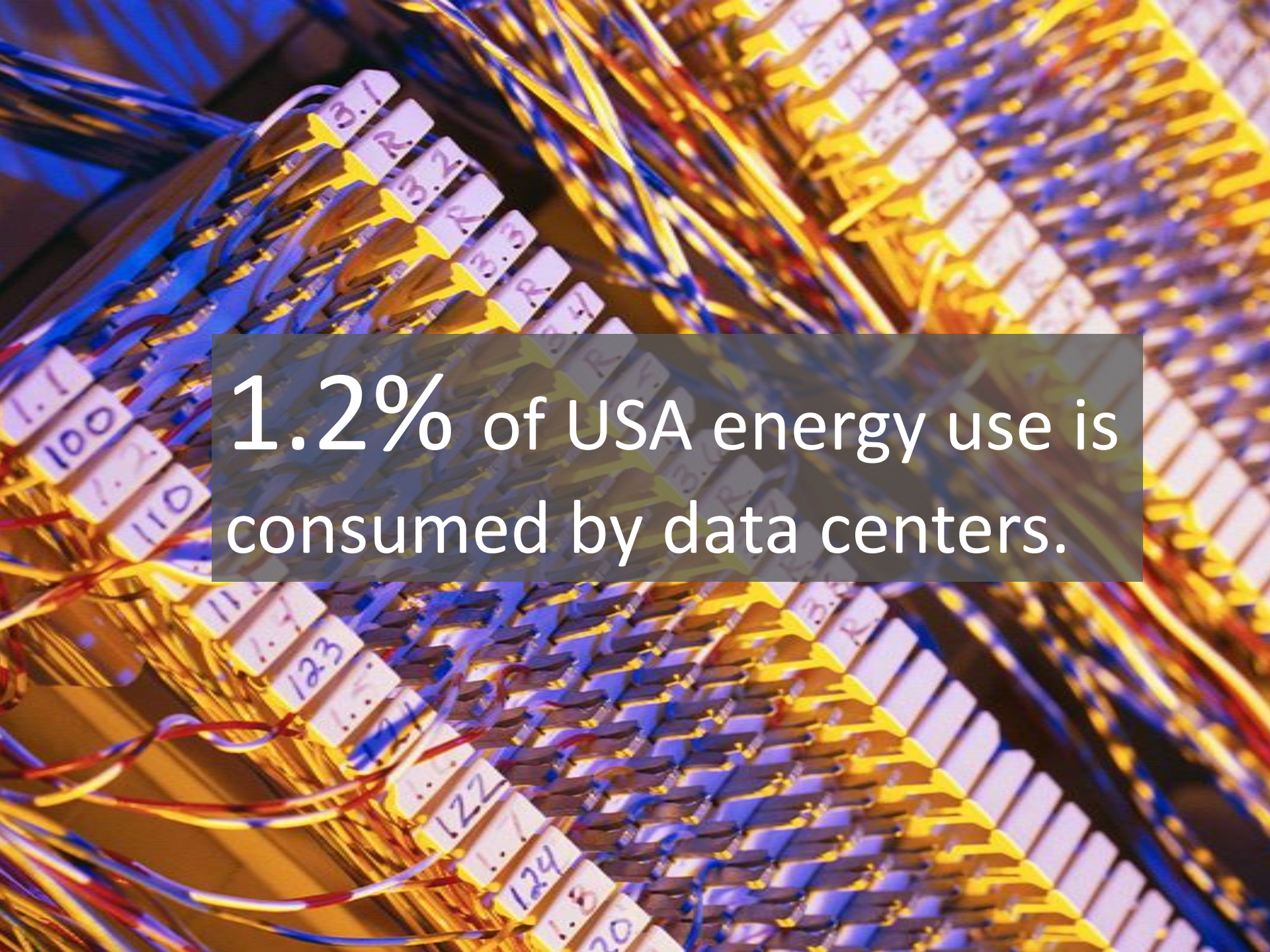
Did you know?

Data center energy use in
2005 was **152** billion kWh.

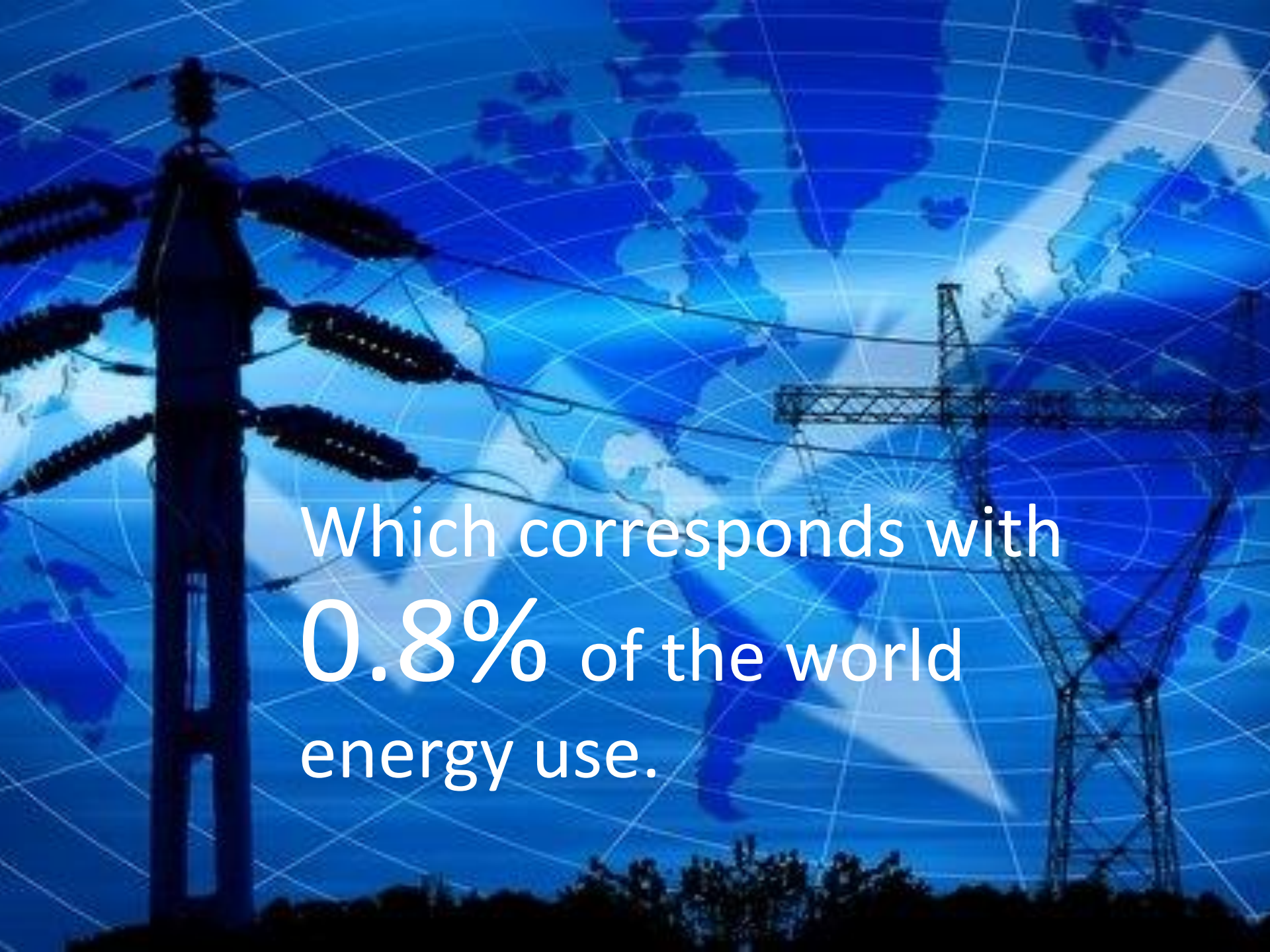
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To put it in another way ...



1.2% of USA energy use is
consumed by data centers.



Which corresponds with
0.8% of the world
energy use.

So what can we do?

Virtualization



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Did you know?

A study by McKinsey found that among a total of 458 servers at 4 production datacenters, **32%** were running at or below **3%** peak and average utilization.

Companies can reap a **65%**
reduction in server count through
virtualization.





Power Management

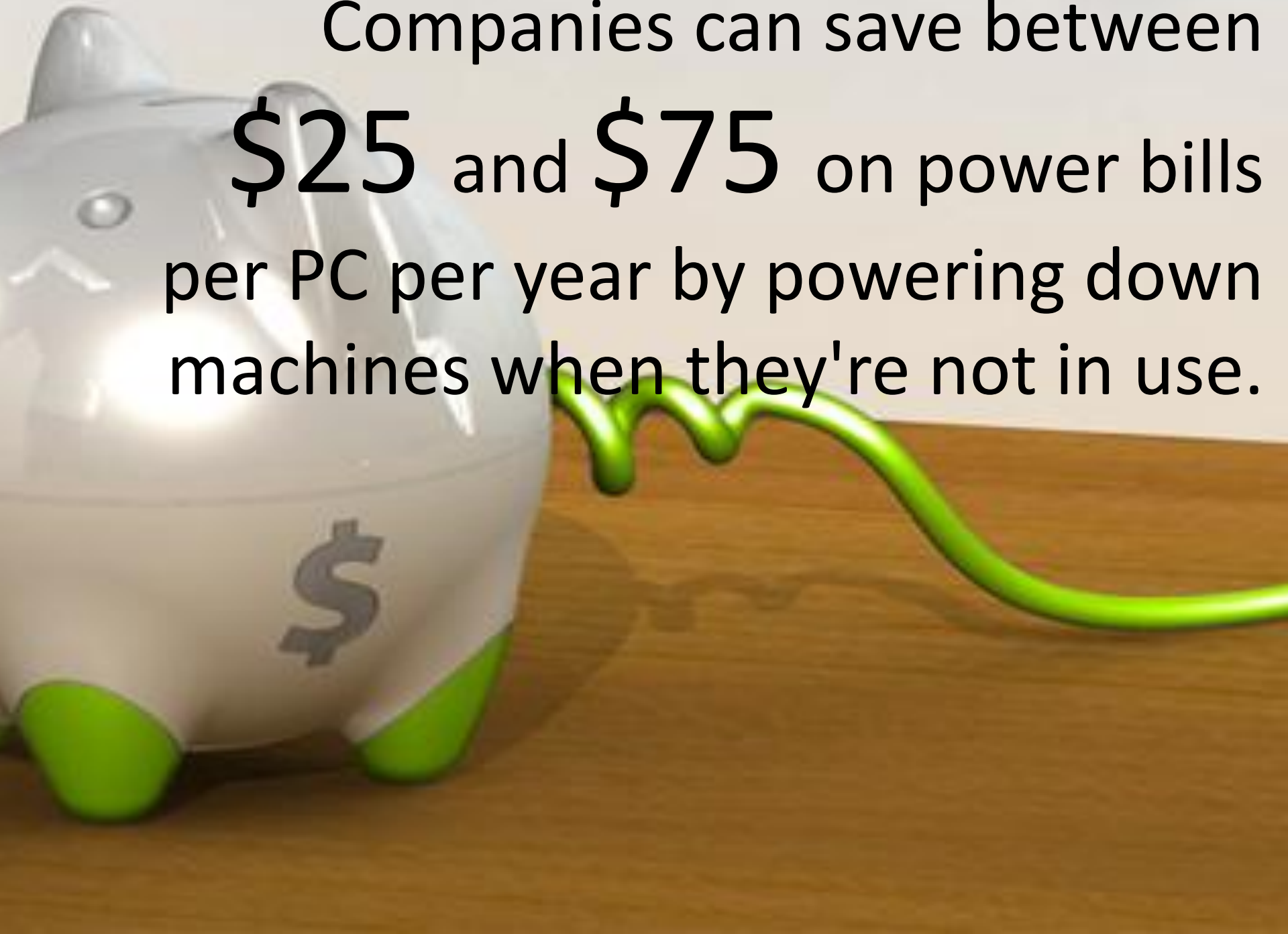
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Did you know?

PCs with a screensaver going can
use well over **100W** of power,
compared with only about **10W**
in sleep mode.



Companies can save between
\$25 and **\$75** on power bills
per PC per year by powering down
machines when they're not in use.





Electricity is
20%
of the costs
of a server.

A green power cord is plugged into a white wall outlet. The cord loops around the outlet, forming a large, open circle. The background is a solid green color. The text "Power Supply" is overlaid in the center of the image.

Power Supply

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Did you know?



You could use
renewable
energy, like ...

A close-up, low-angle shot of several solar panels. The panels are dark blue with a grid of thin, light-colored lines. The perspective is from below, looking up at the panels, which are slightly tilted. The lighting is bright, creating a strong glare in the top left corner. The text "Solar Energy" is overlaid in a white, sans-serif font in the upper right quadrant.

Solar Energy

Wind Energy



or Hydro Energy



Recycling



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Did you know?

1,000,000 tons of
electronic equipment becomes
obsolete each
year.





To make one desktop computer it takes at least **240** kilograms of fossil fuels, **22** kilograms of chemicals, and over **1500** kilograms of water.



Telecommute

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Did you know?



If all commuters
worked from home
one day a week,
5.85 billion fewer
gallons of oil would be
used **each** year.

Reduce Paper



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Did you know?

Two overlapping sheets of white paper are shown in the upper left corner of the image. The top sheet is slightly offset to the right and down from the bottom sheet, creating a layered effect. The text is positioned to the right of and partially over the papers.

The average office worker goes
through as many as **10,000** sheets
of paper per year.

The average employee wastes \$85 worth of printer paper and ink each year through unnecessary printing.





Now you know.

Green IT is as much about people and institutions as it is about technology.





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