

# The data centre construction market

## The figures

### Data centre outages cost real money

Source: [www.emerson.com](http://www.emerson.com)

**£7,077**

Average total cost per minute of an unplanned outage

**£591,930**

Average cost of a data centre outage

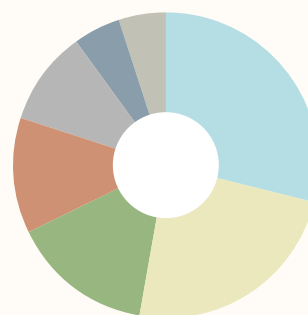
**£1,926,836**

Average maximum downtime costs

Costs based on averages in the US market

### Causes of data centre outages

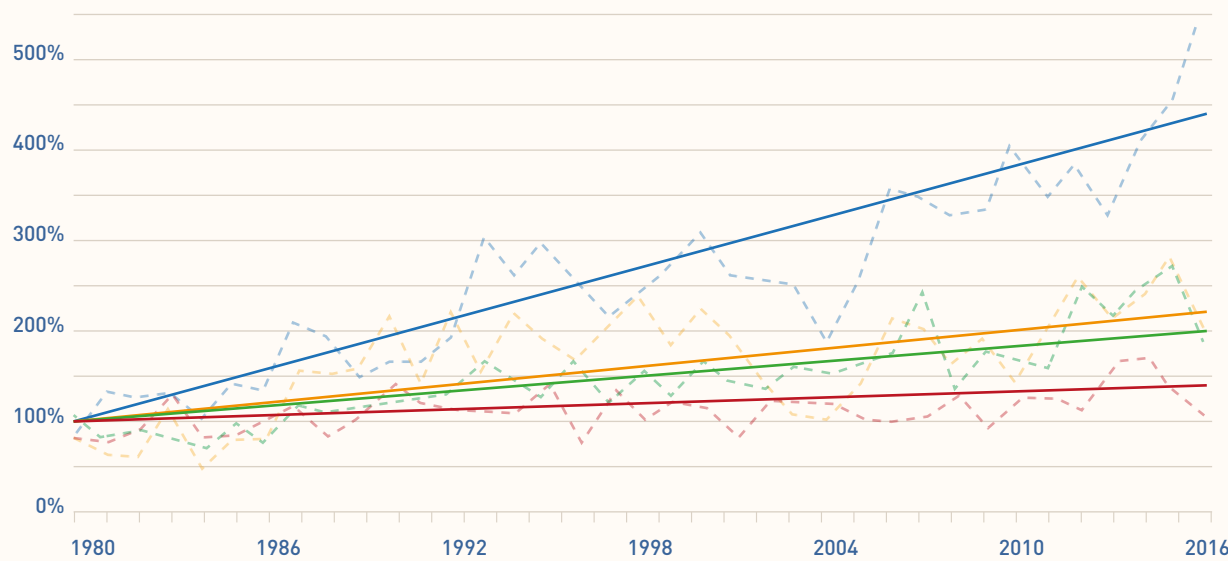
Source: [www.vertiv.com](http://www.vertiv.com)



- 29% UPS system failure (battery)
- 24% Accidental/Human error
- 15% Water, heat or CRAC failure
- 12% Weather related
- 10% Generator failure
- 5% IT equipment failure
- 5% Other

### Severe weather events are increasing across the globe

Source: [www.easac.eu](http://www.easac.eu)

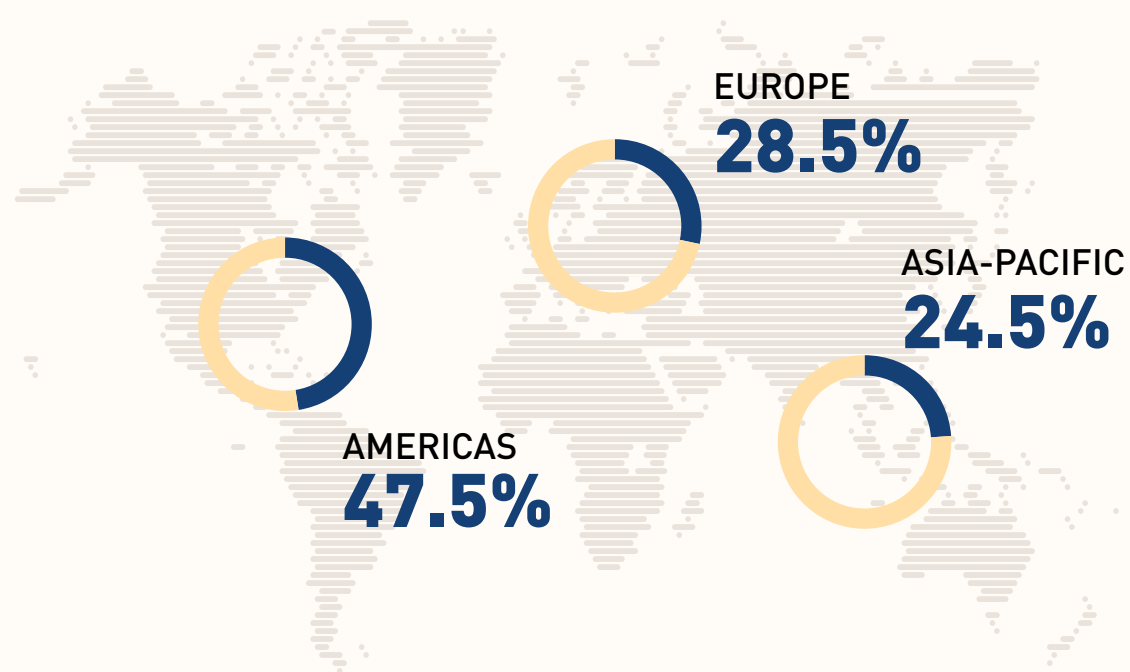


- Hydrological events**  
(flood, mass movements)
- Climatological events**  
(extreme temperature, drought, forest fire)
- Meteorological events**  
(storm)
- Geophysical events**  
(earthquakes, tsunamis, volcanic eruption)

Trends in different types of natural catastrophe worldwide - 1980-2016 with 1980 levels set at 100% for comparison.

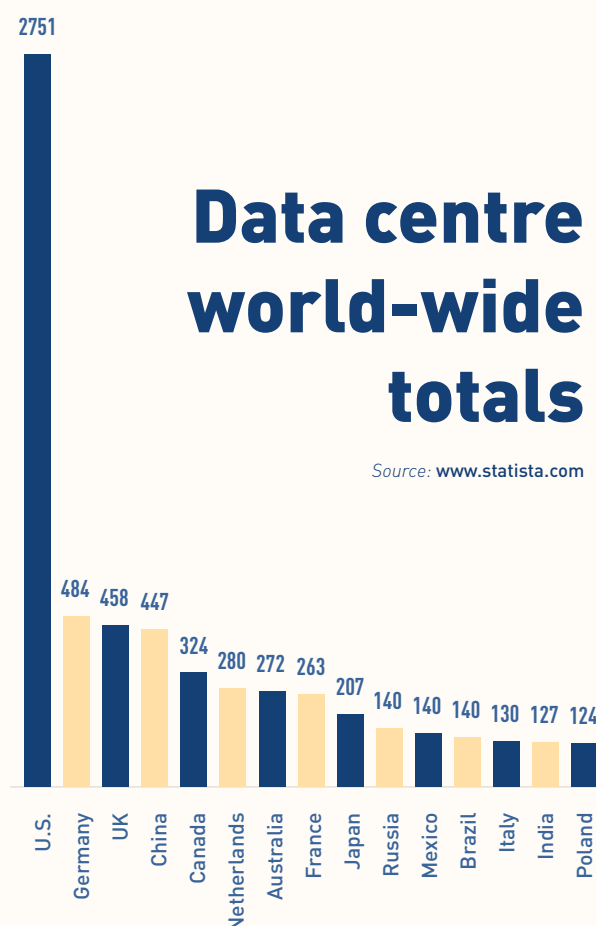
### Data centre region shares

Source: [www.businesswire.com](http://www.businesswire.com)



### Data centre world-wide totals

Source: [www.statista.com](http://www.statista.com)



**\$350+**

billion will be spent on their construction by **2027**

**30%** of growth

by Hyperscale self-built data centres

Data centre construction growth at **5.9%**

(CAGR)

Data centres are a significant investment of design time, construction time and money.

Learn more about how to better protect the roof of your next data centre project at [densdeck.buildgp.com](http://densdeck.buildgp.com)

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