What is PUE (Power Usage Effectiveness)?

PuE – Power Usage Effectiveness is a term which often appears in relation to data centers. The PuE value is calculated by comparing the actual energy demand of a data center with the energy consumption of the IT infrastructure.

```
PUE = Data center energy demand / IT infrastructure energy demand
```

The theoretical best value of **1** would mean that all the energy consumed goes into the computing power of the data center.
In Germany, the average PuE value is around **1.8**.