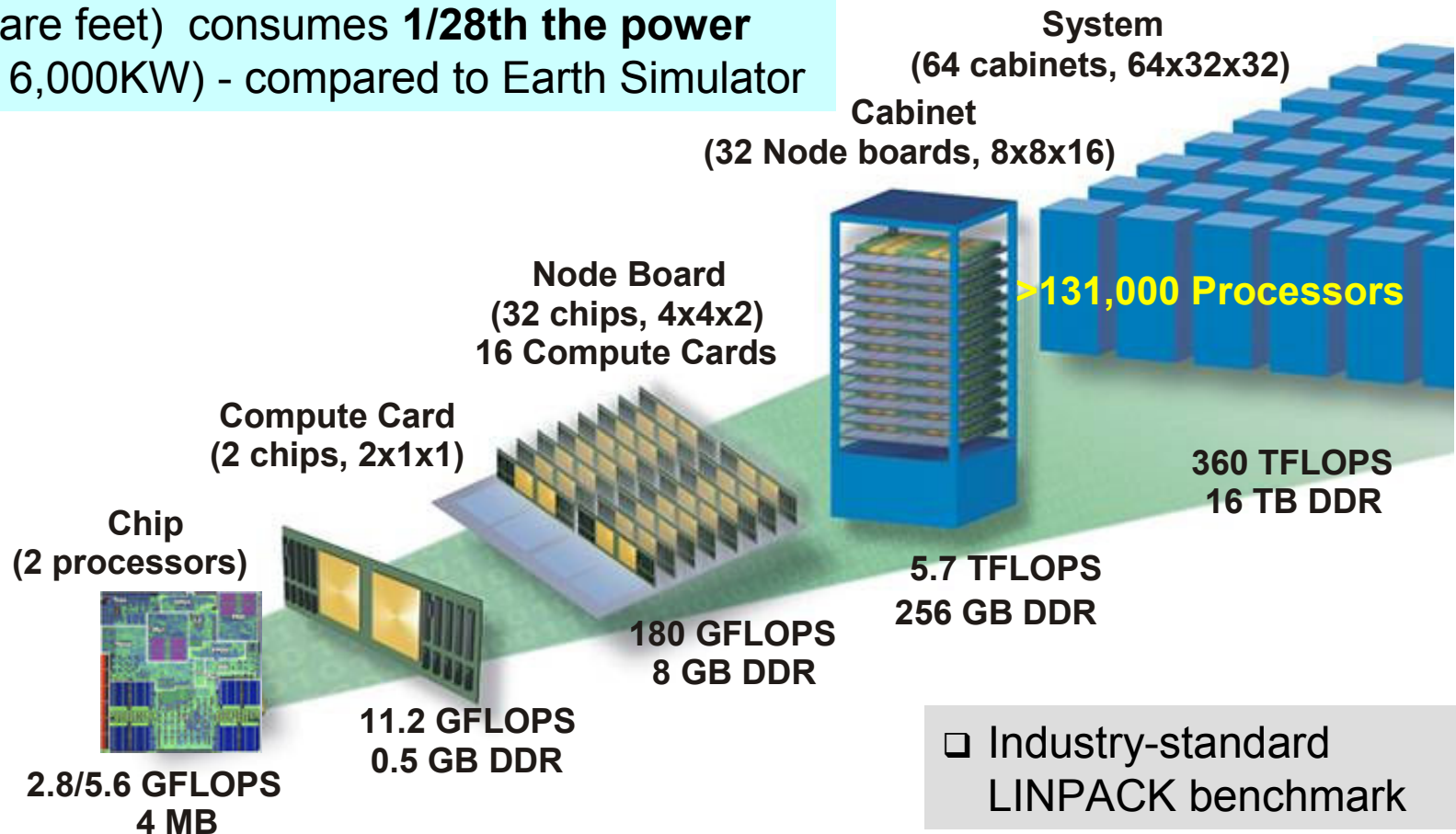


# BlueGene/L: "Scale-Out" at the System Level

- BlueGene/L: 1/100th the physical size (320 vs 32,500 square feet) consumes 1/28th the power (216KW vs 6,000KW) - compared to Earth Simulator



- Attained a sustained performance of **70.72 Teraflops**
  - eclipsing 3 year old top mark of **35.86 Teraflops** - Japanese Earth Simulator
  - recent mark of **42.7 Teraflops** at the NASA's Ames research center