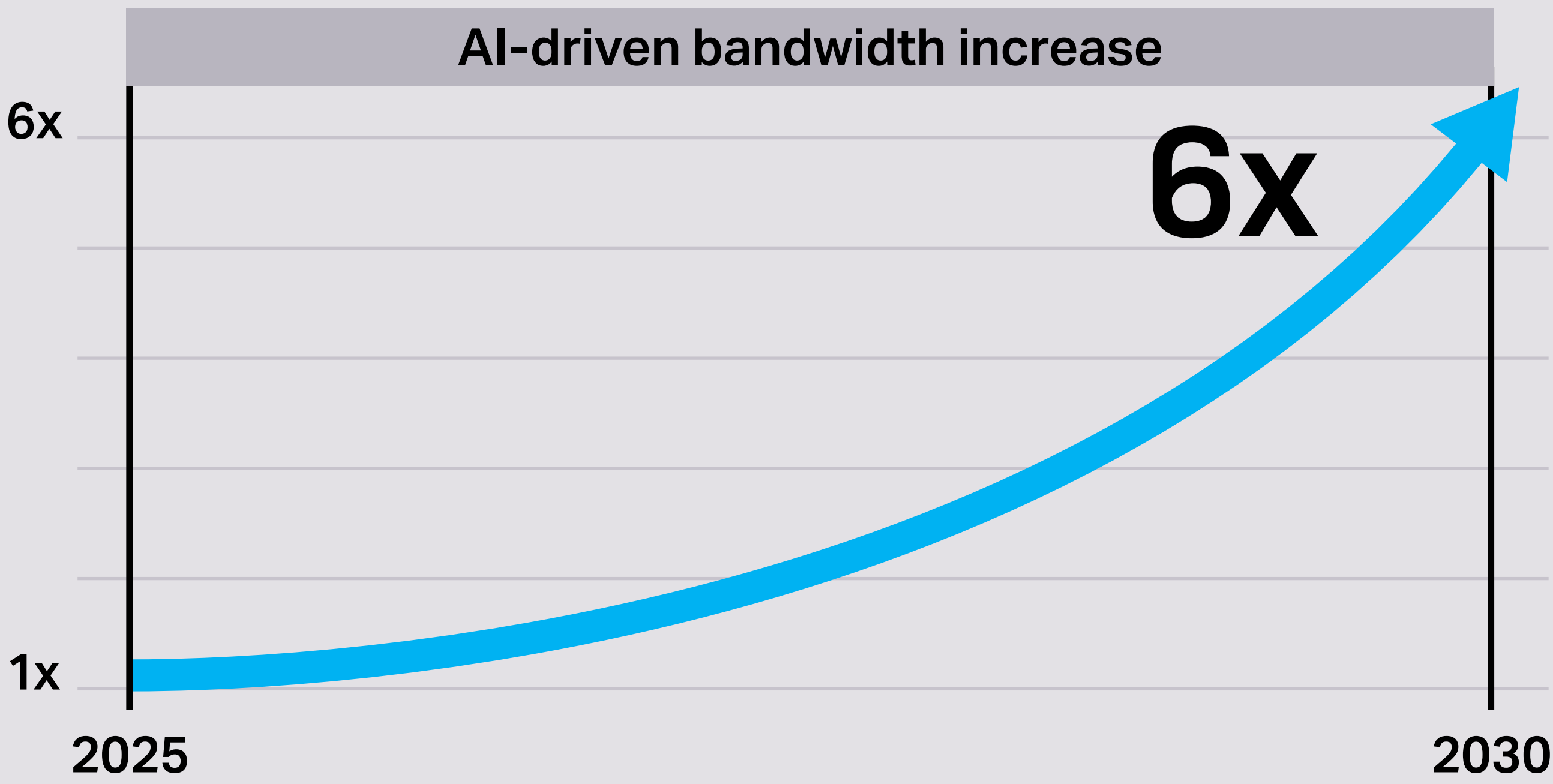


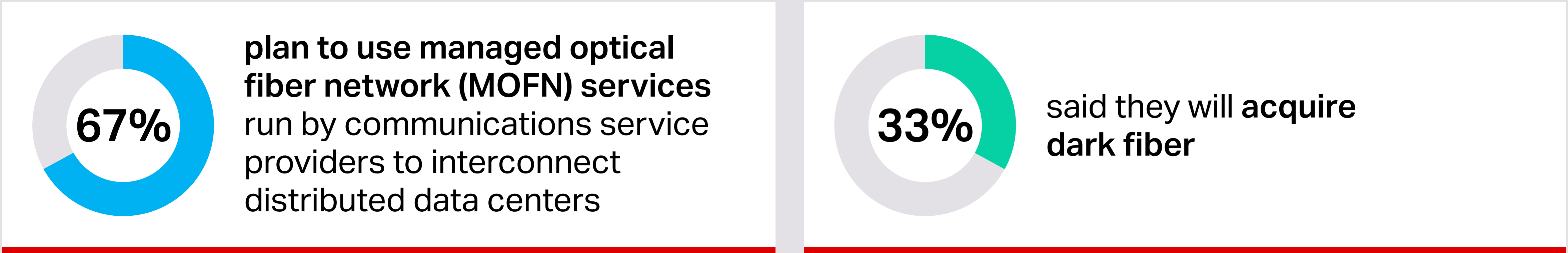
# AI workloads are reshaping data center landscape

Global survey of data center experts explores networking needs for AI era

Data center experts predict at least a 6x increase in data center interconnect (DCI) bandwidth demand over the next five years



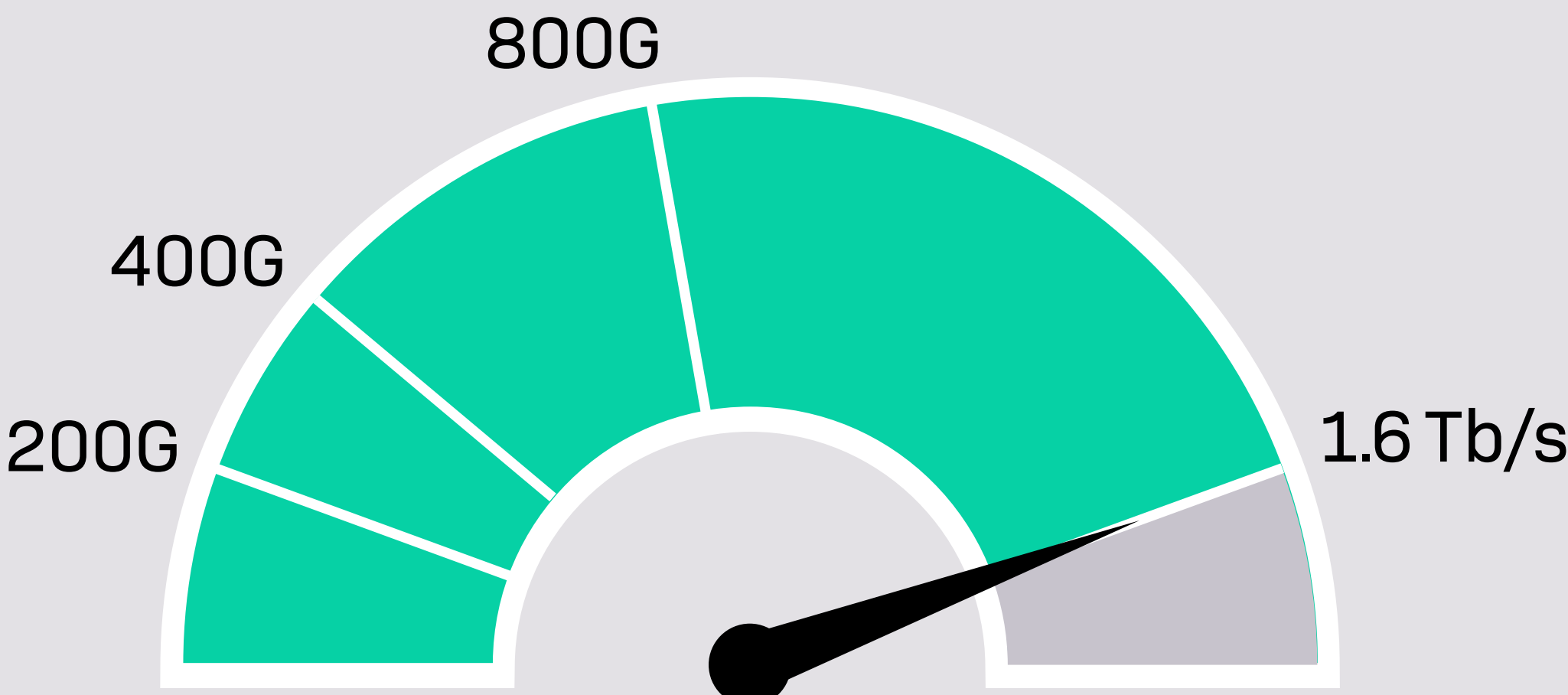
As a global average, **43%** of new data center facilities are expected to be dedicated to AI workloads



## What are the key factors shaping where AI inference will be deployed (ranked)?

- AI resource utilization over time (**63%**)
- Reducing latency by placing inference compute closer to users at the edge (**56%**)
- Data sovereignty requirements (**54%**)
- Offering strategic locations for key customers (**54%**)

**87%** believe 800 Gb/s or higher per wavelength will be needed for DCI



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Ciena commissioned a Censuswide survey of more than 1,300 data center decision makers across the globe to get their insights about future AI workload demands