

Digital Infrastructure, Resilience and Sustainability – Insights in Nordic Digital Markets

IDC Nordic Directions 2022

IDC Nordic Digital Insights 2022



Anders Elbak

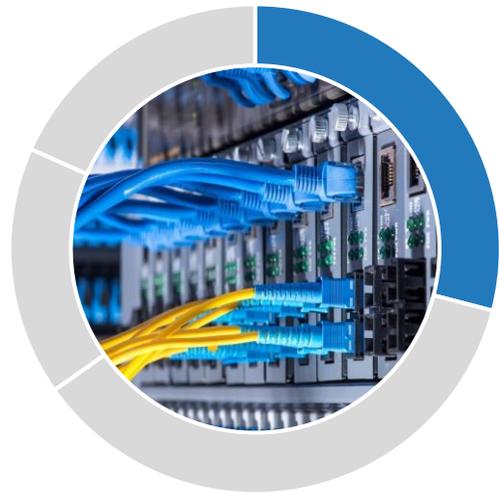
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Combined with programmable infrastructure and multicloud, emergence of edge mark a new chapter in the infrastructure deployment story...

IDC Nordic Trend 5:



29%

Enterprise DC



36%

Cloud



16%

Secondary DC



18%

Edge Solutions

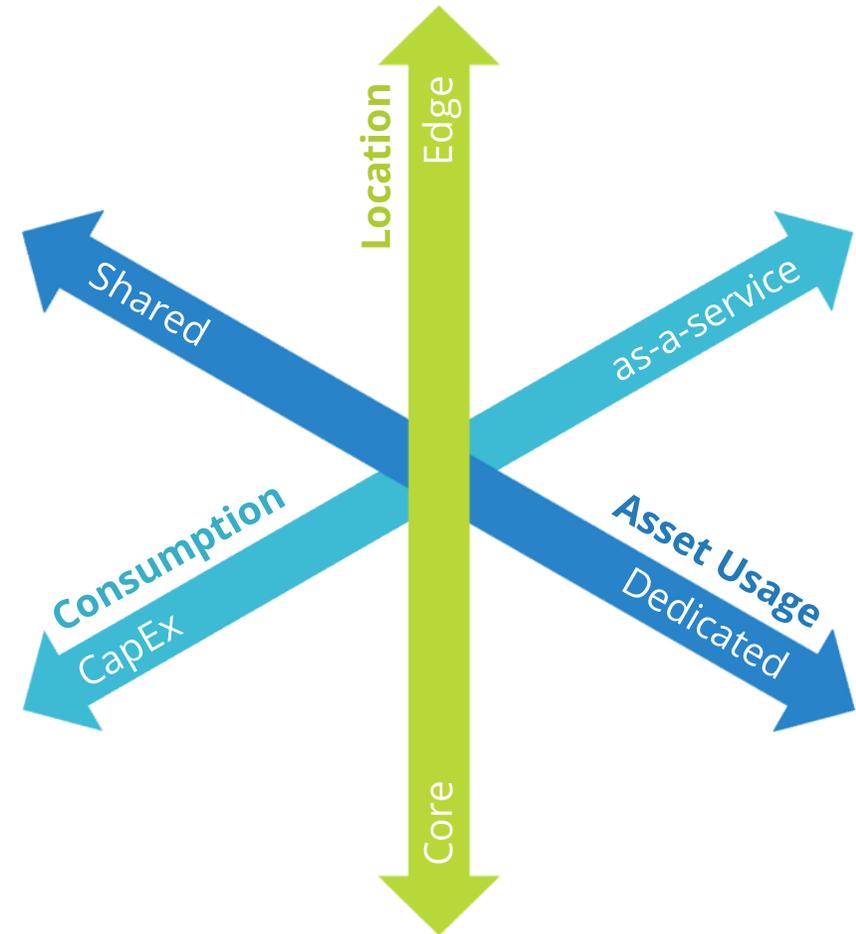
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IDC Nordic Trend 5:

We used to talk about moving to (public)cloud, with shared assets and as-a-service consumption. Today, cloud can be dedicated, and pricing models have removed the link between cloud and consumption model.

With multi cloud orchestration, and software defined everything, we no longer deploy VMs on a single cloud, but individual workloads on multiple clouds (and non-cloud infrastructures)

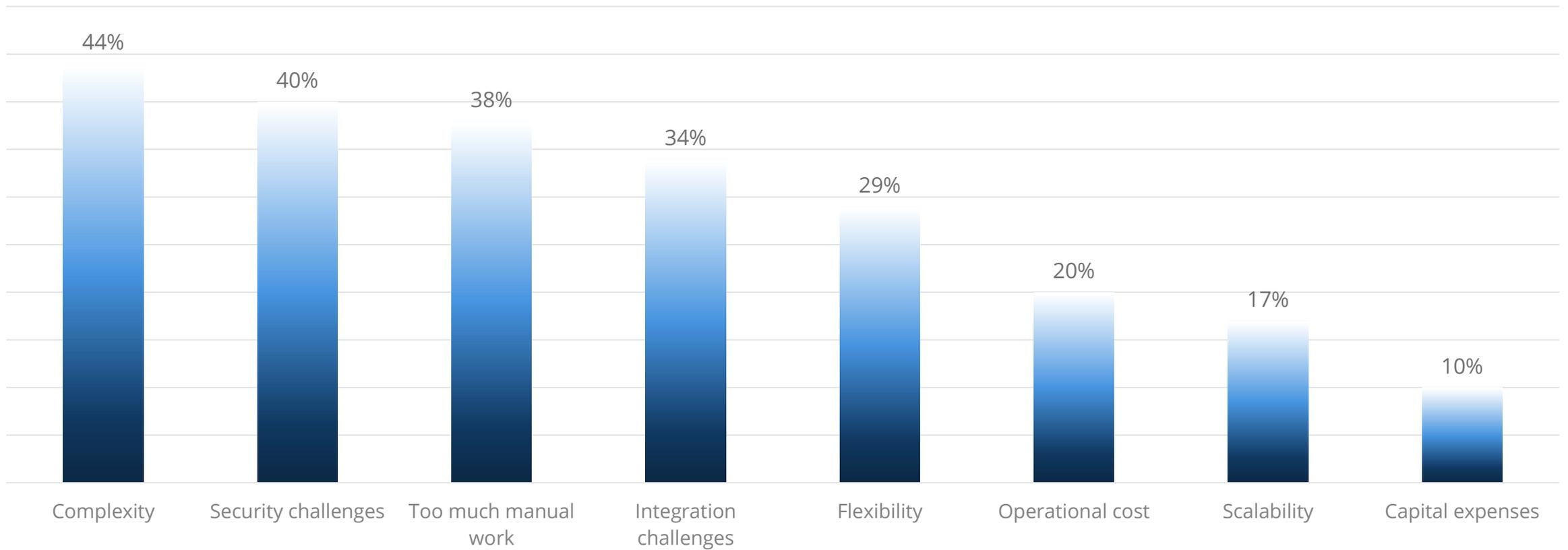
We are also seeing the emergence of edge – which can have many different forms – meaning that workloads and dataflows need to be optimally deployed and orchestrated from edge to core. This is already apparent in IIoT and IT/OT but use-cases expands to all industries.



Complexity and manual work accelerate use of advanced automation and AI in the IT infrastructure and operations.

IDC Nordic Trend 6:

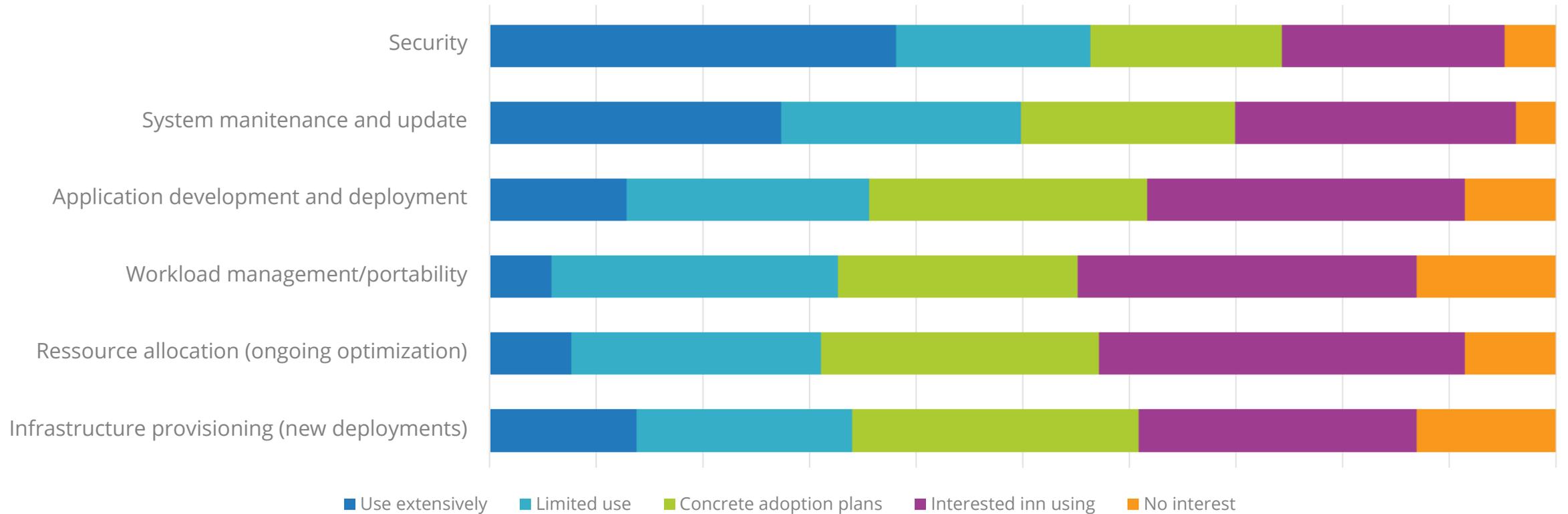
IT infrastructure Challenges



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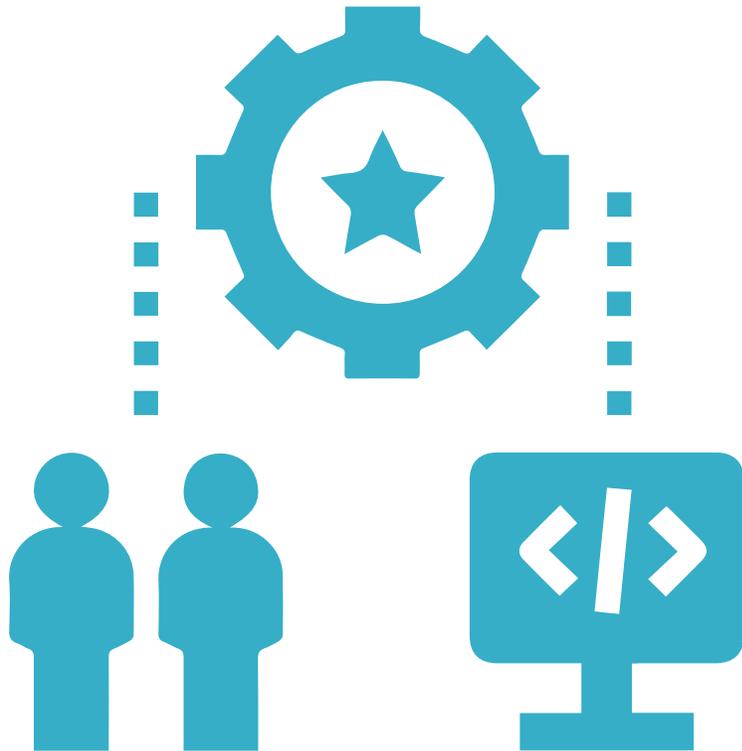
IDC Nordic Trend 6:

Use of Automation



Complexity and manual work accelerate use of advanced automation and AI in the IT infrastructure and operations.

IDC Nordic Insight 6:

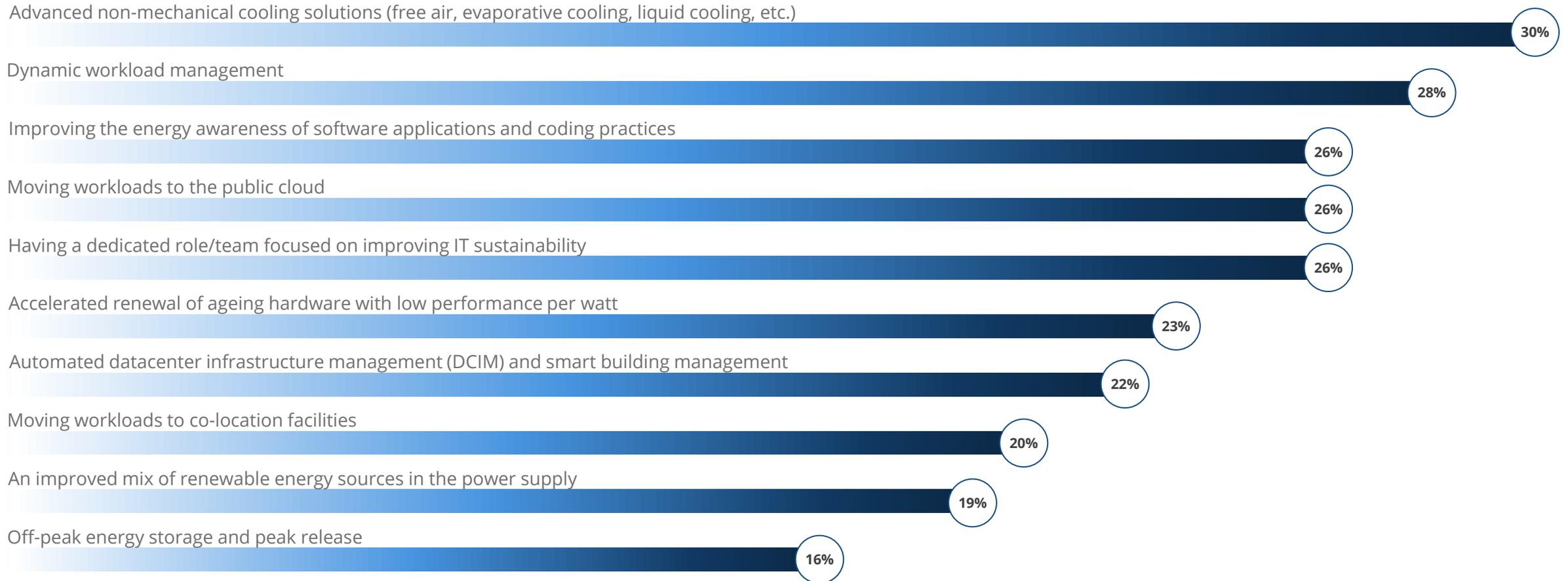


Complexity and manual work processes means organisations cannot deliver the services the business require with the agility required. Mundane repetitive tasks have already been automatised, but with the use of advanced analytics including ML and AI, more complex task will be automatised – including:

- Application deployment
- Infrastructure operations
- ...

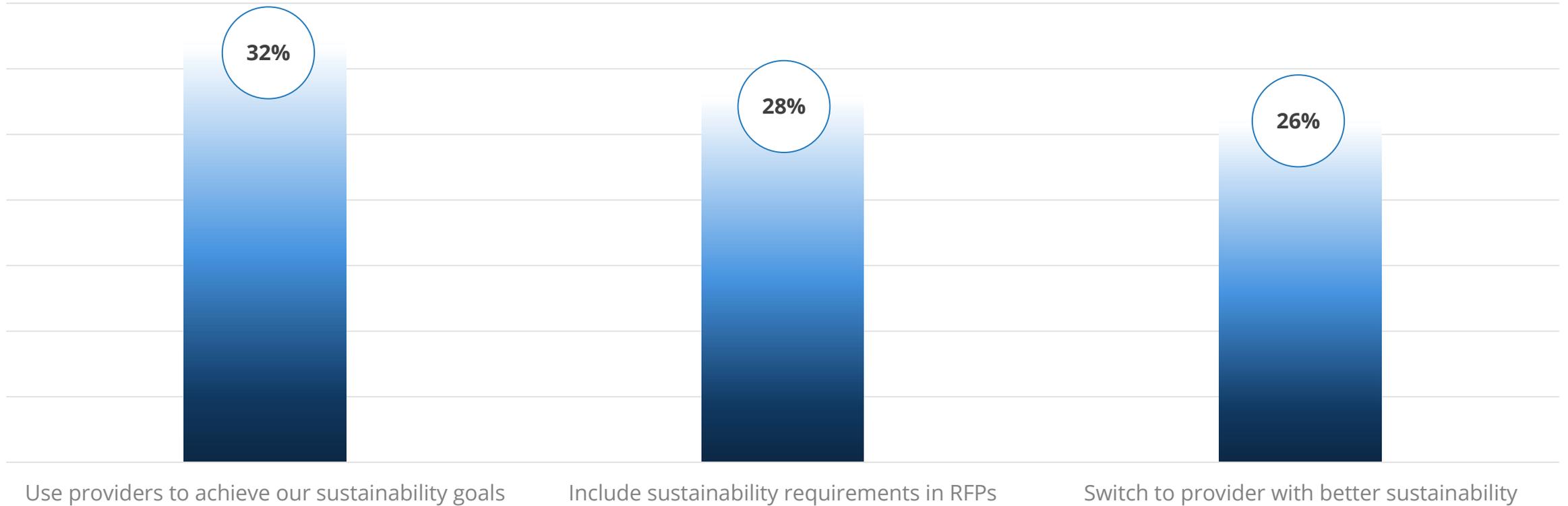
Companies seek to lower the IT infrastructures' environmental footprint by using proven "greener" vendors and evolving workload management practices

IDC Nordic Trend 7:



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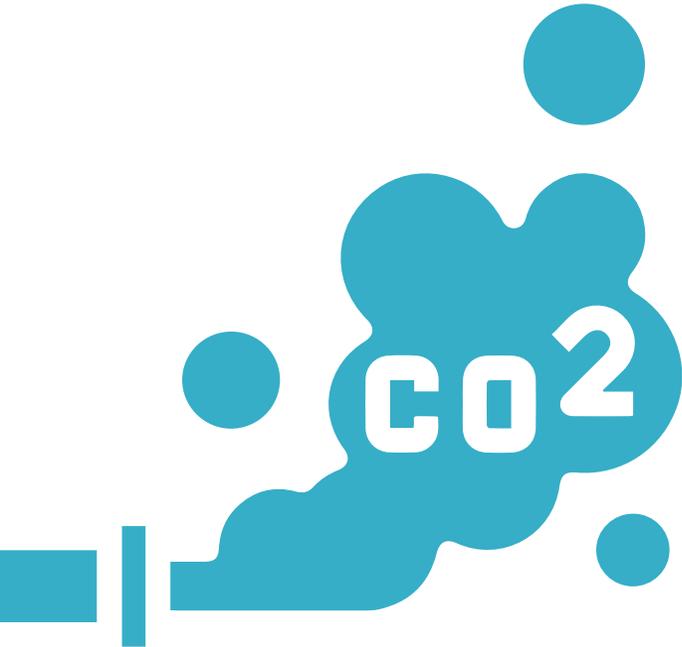
IDC Nordic Trend 7:

Sustainability is back on the agenda – with KPIs beyond cost saving – and leveraging suppliers/partners' sustainability efforts.

This means that the IT infrastructure must be more energy efficient, optimising DC cooling, replacing old server/storage equipment, but also managing workloads – executing them where it is most efficient. Not just from a performance and cost POV, but from CO₂ emission data etc.

This also means that sustainability becomes a key differentiator, and poor sustainability (or poor documentation) will disqualify IT vendors.

Also IT vendors are dependent on the sustainability efforts etc. of their sub-contractors/partners.



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