Transforming to a Next Generation Data Centers

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Pressures on the Data Center

Business

- Compliance
- Security
- Growth
- Globalization
- Environmental
- Innovation

IT Infrastructure

- IT complexity
- Under utilized assets
- Integration needs
- Security and continuity
- Serve extended enterprise

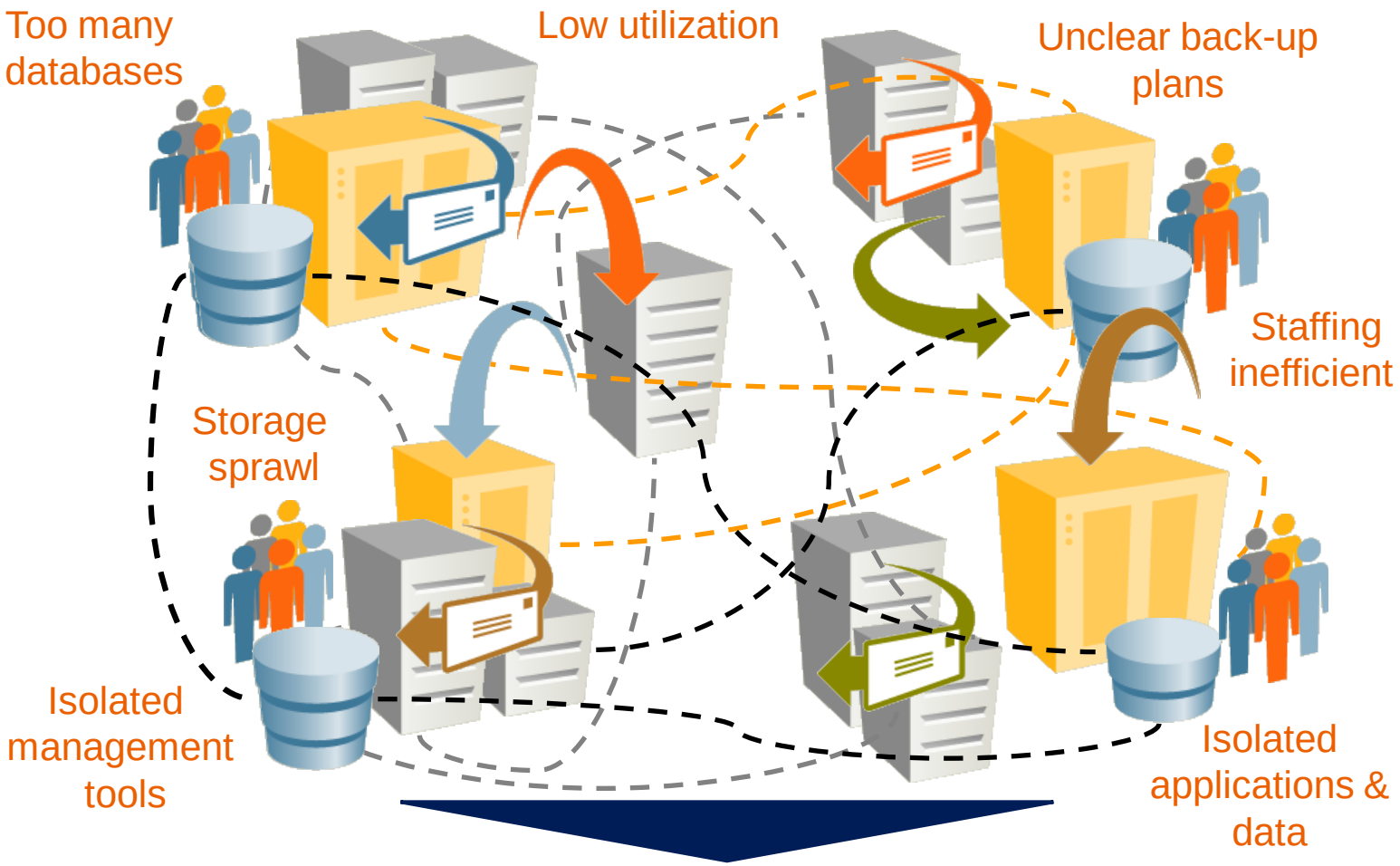
Facilities

- Floor space
- Excessive heat
- Location
- Aging facilities
- Regulations
- Mergers and acquisitions

Operations

- 24x7 expectation
- Management complexity
- Lack of skilled resources
- Globalization
- Seasonal spikes
- Sourcing decisions

Data center complexity continues to grow



The infrastructure environment is inflexible, too expensive to manage and maintain

Analyst views

- By 2010, more than half of all data centers will have to relocate to new facilities
- More than 40% of data centers will be replaced within the next 10 years
- Over the next 5 years power failures and limits on power availability will halt data center operations at more than 90% of all companies
- More than one-third of chief executive officers and CIOs believe that in two to five years their data centers will be incapable of dealing with the rapidly growing demand for services and applications.

Data Centre Institute, IDC, HP DCT Study

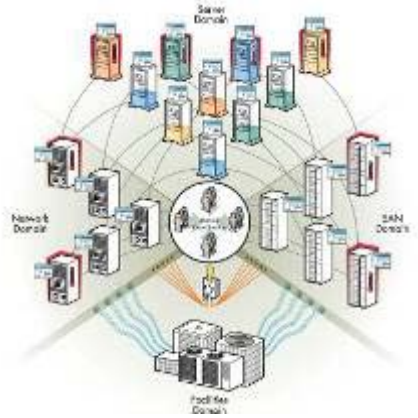
HP Adaptive Infrastructure

Technology for better business outcomes

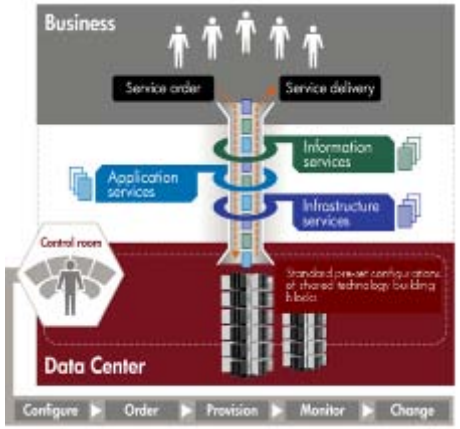
Increase IT agility for business flexibility; lower cost of IT operations; mitigate risk while delivering higher quality of service; helping drive business growth

Current state
High-cost IT islands

Desired state
Low-cost pooled IT assets and services



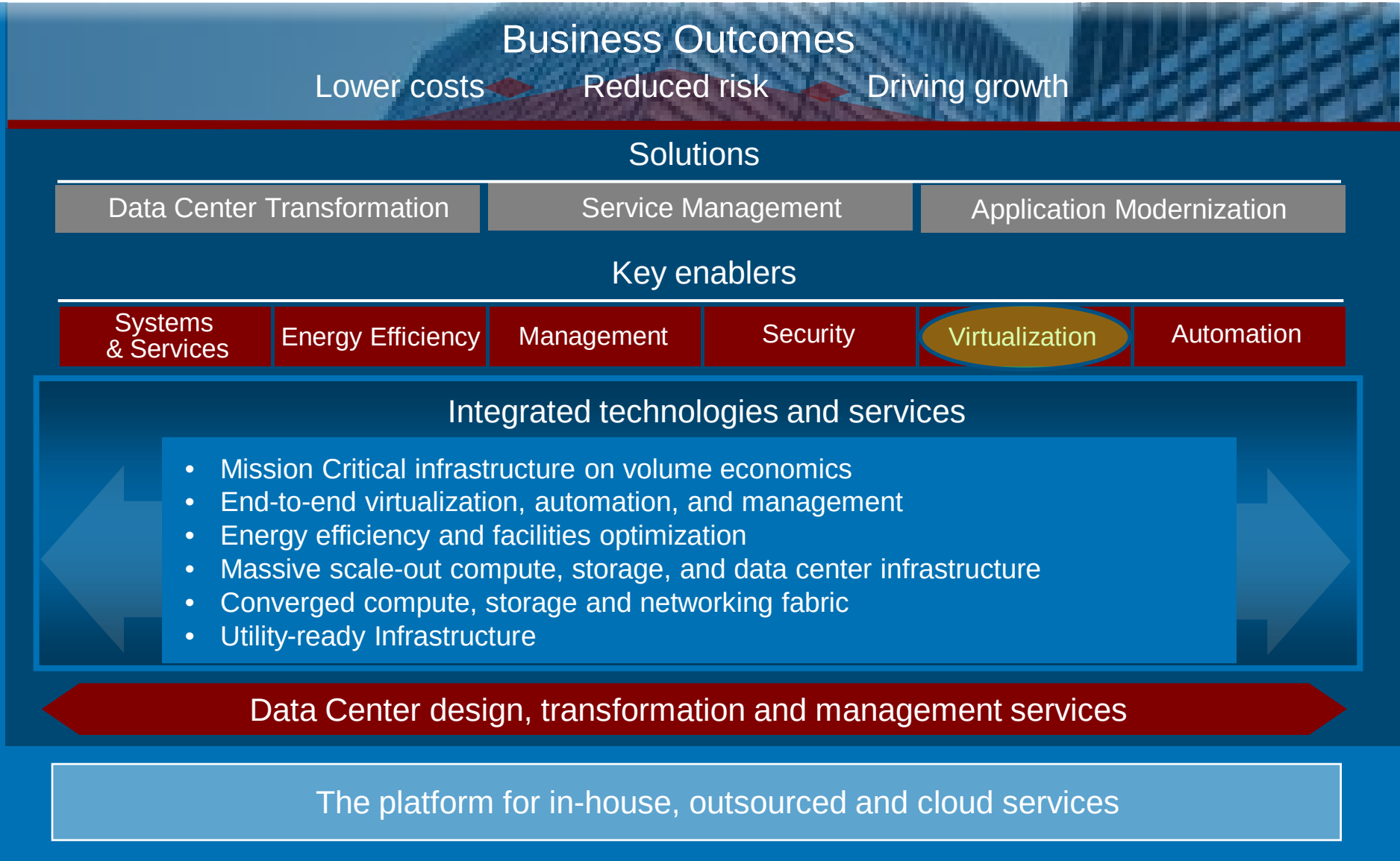
Turn IT into a service provider



Accelerating adoption of next-generation data center technologies and services

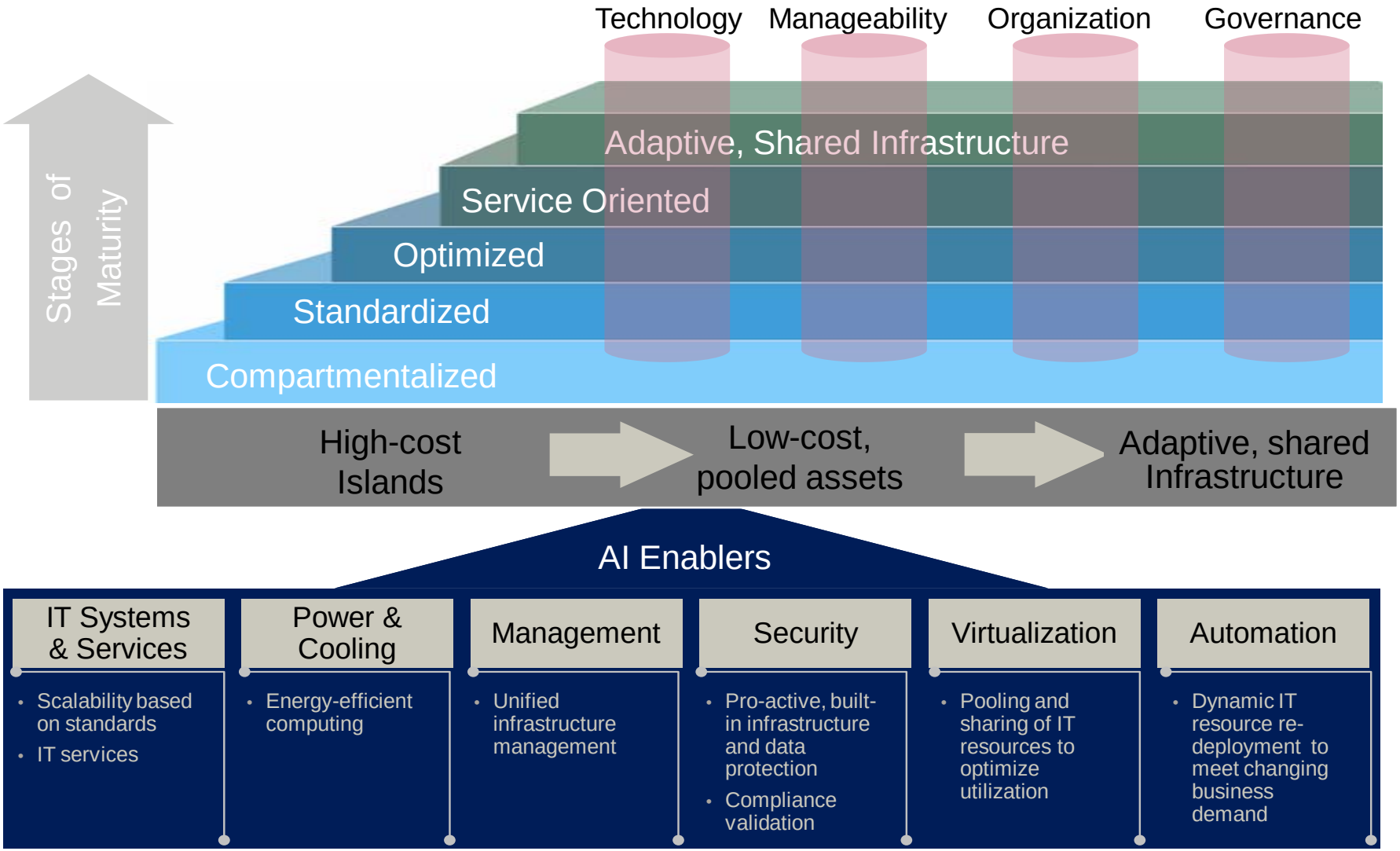
Adaptive Infrastructure

A portfolio for accelerating adoption of NGDC technologies and services



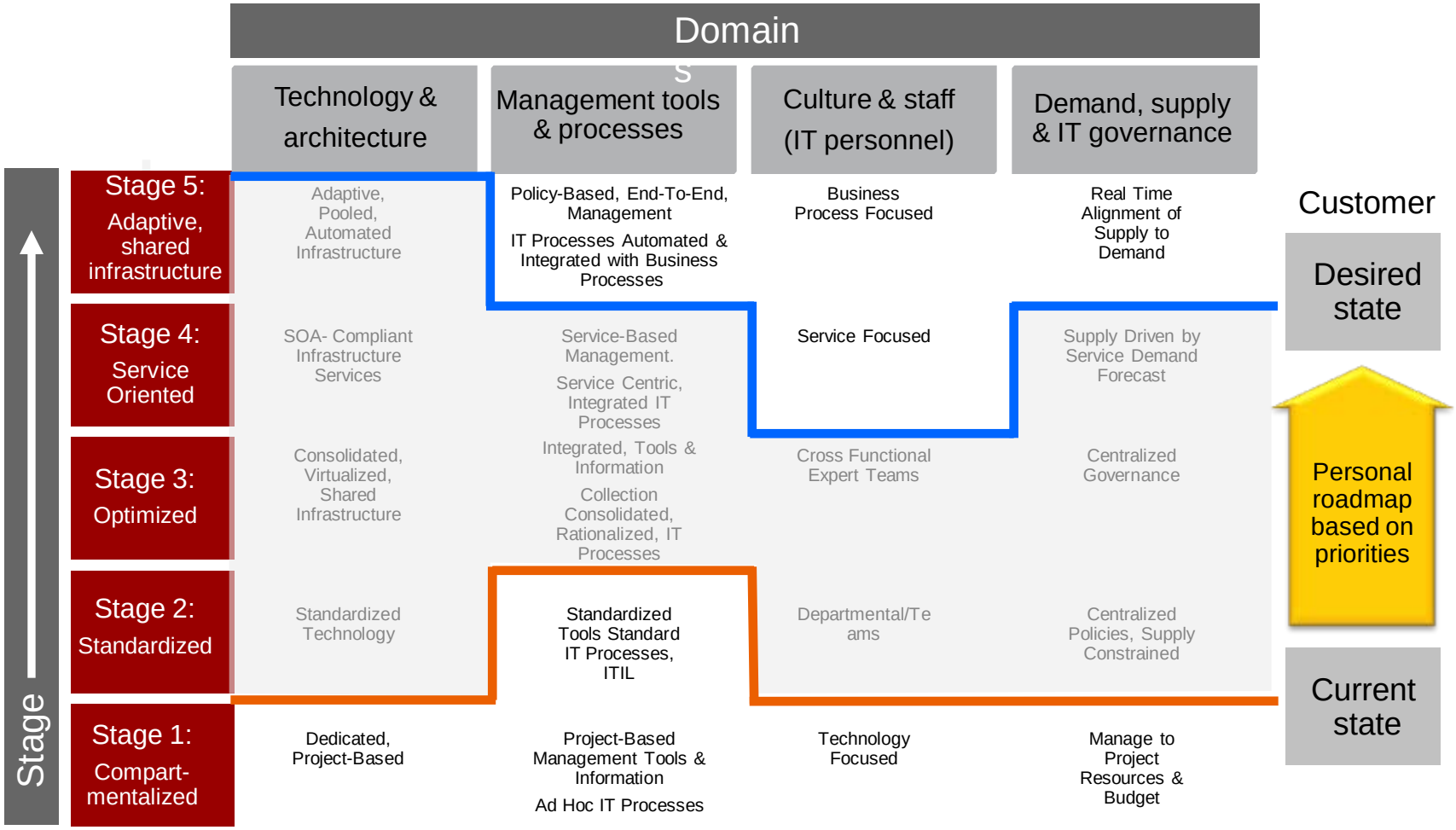
Transformation approach

A flexible evolution based on business priorities

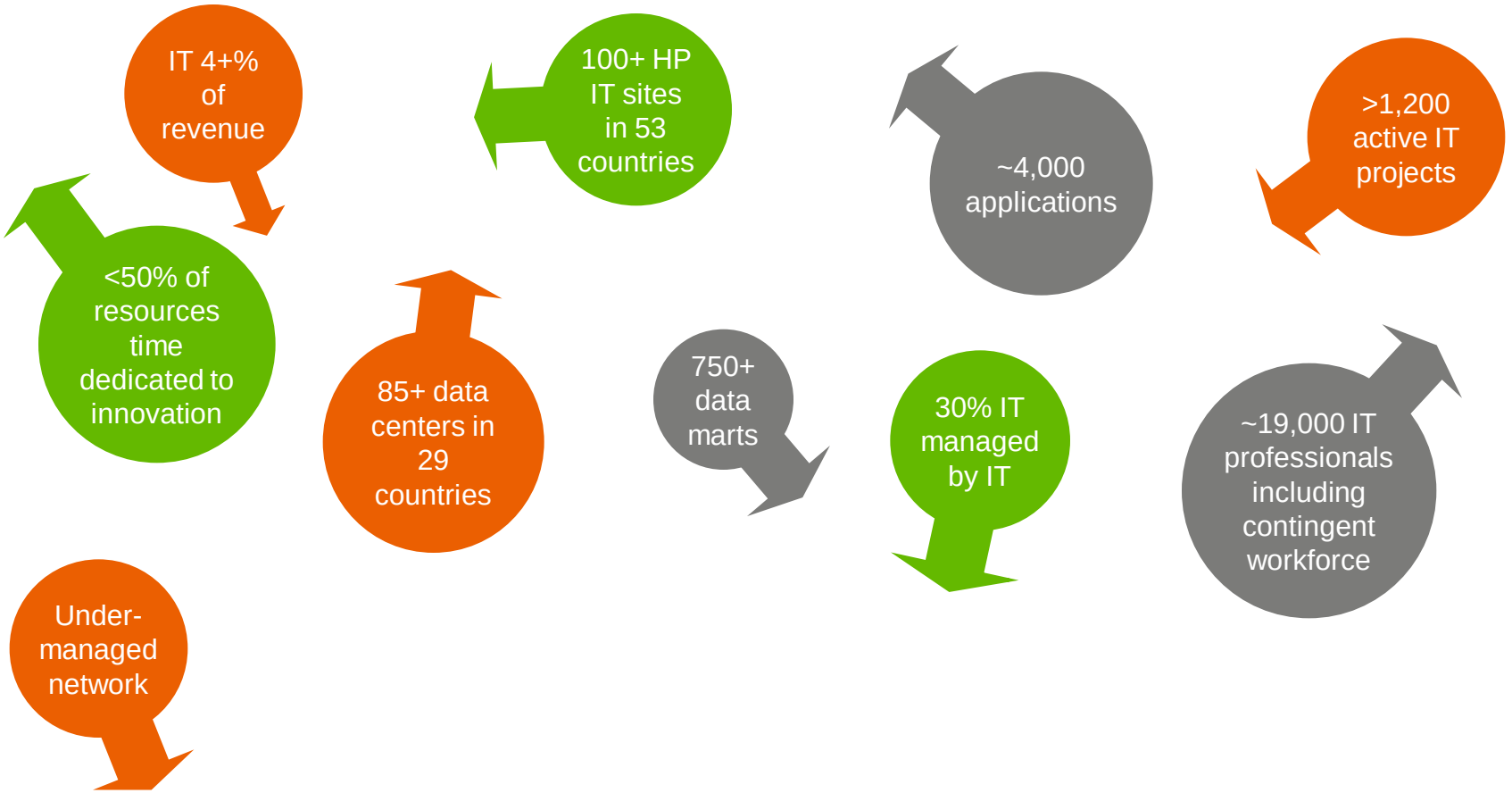


Building the roadmap with the Adaptive Infrastructure maturity model

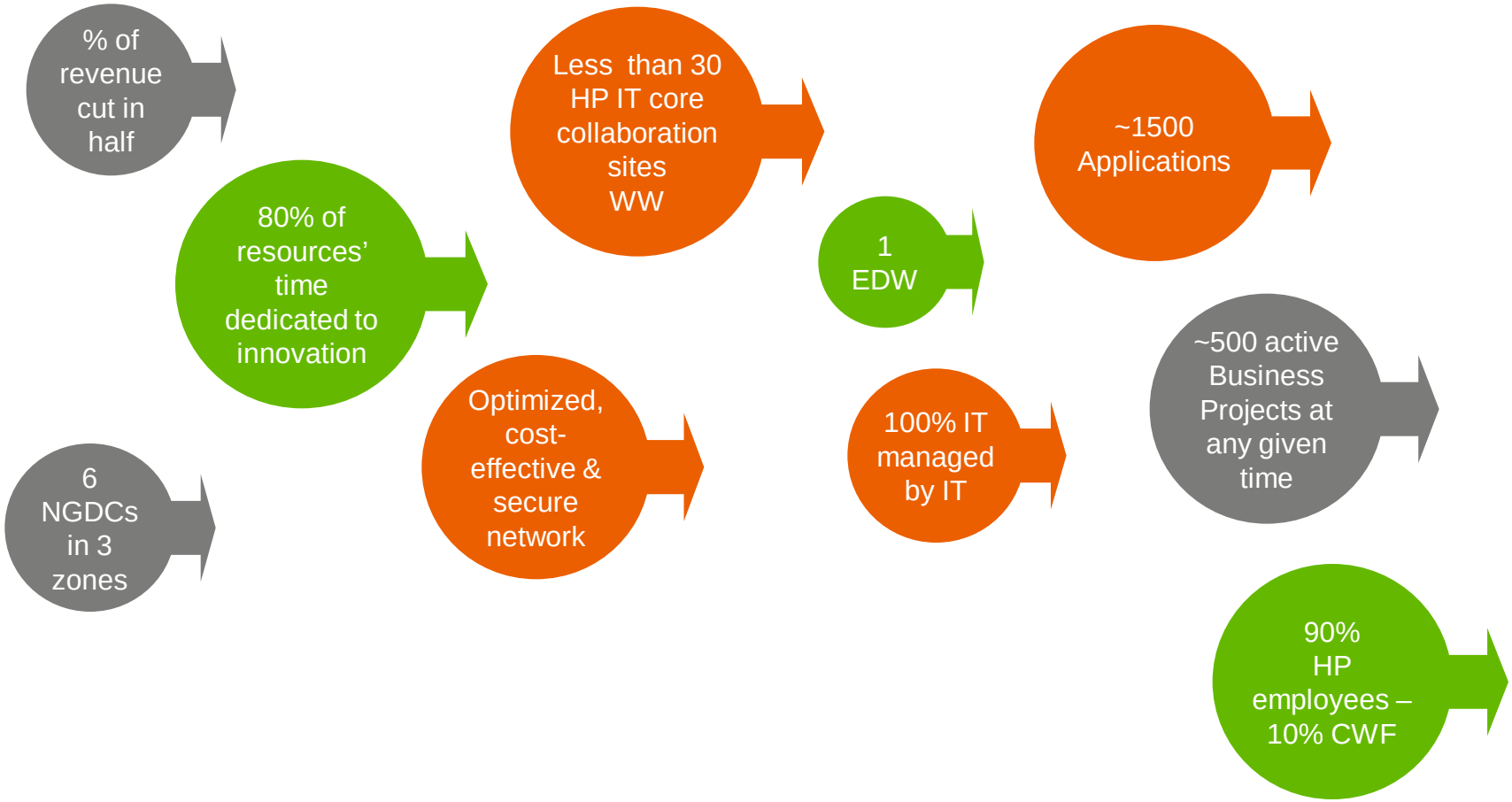
Current and desired state based on standard metrics



HP IT 2005
Too many directions, not enough connections



2008
The right direction. The right connections.



Technology for better business outcomes