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The CIO of the Future – Changing the Dialogue

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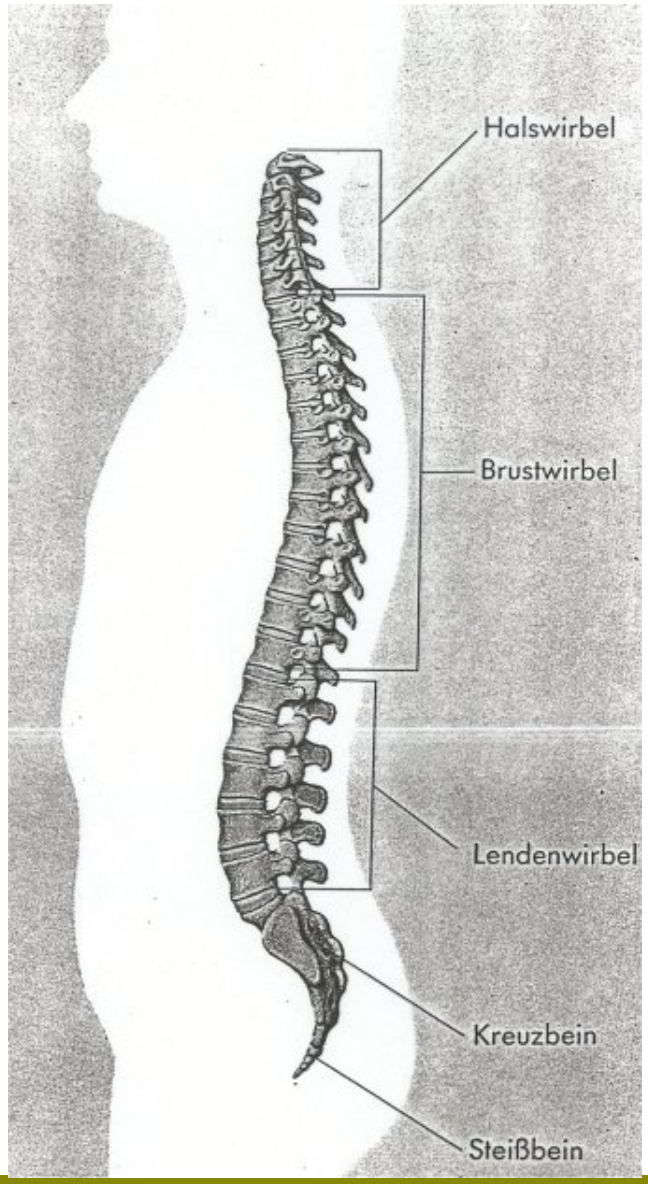
Our Backbone Architecture – Food For Thought



What is the challenge ?

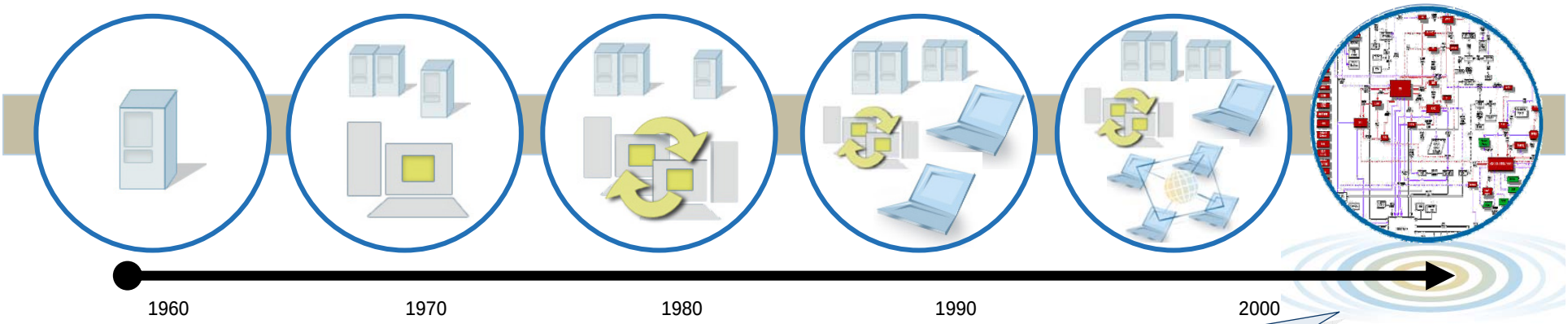
Conflicting requirements:

Agility
Flexibility
AND
Carrying capacity
Stability
Resilience

Biological solution (evolution):

Combining soft and hard components
Standardized interface type
Scalable design

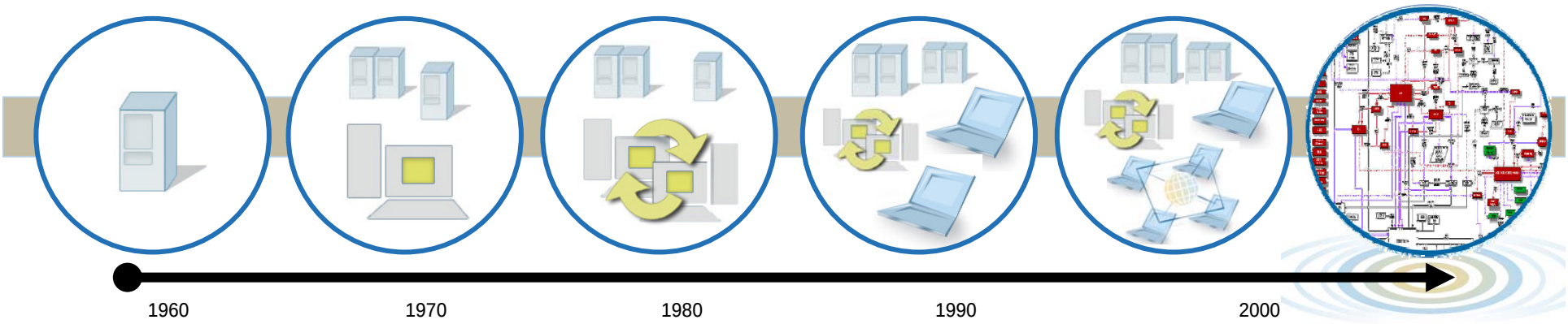
IT Historical Perspective



Result of 40 Years of Technology Evolution:

- Complex, multiple systems and processes
- 200 billion lines of legacy code on 30,000 mainframes worldwide
- 40-60 billion lines of code need modernization over next five years

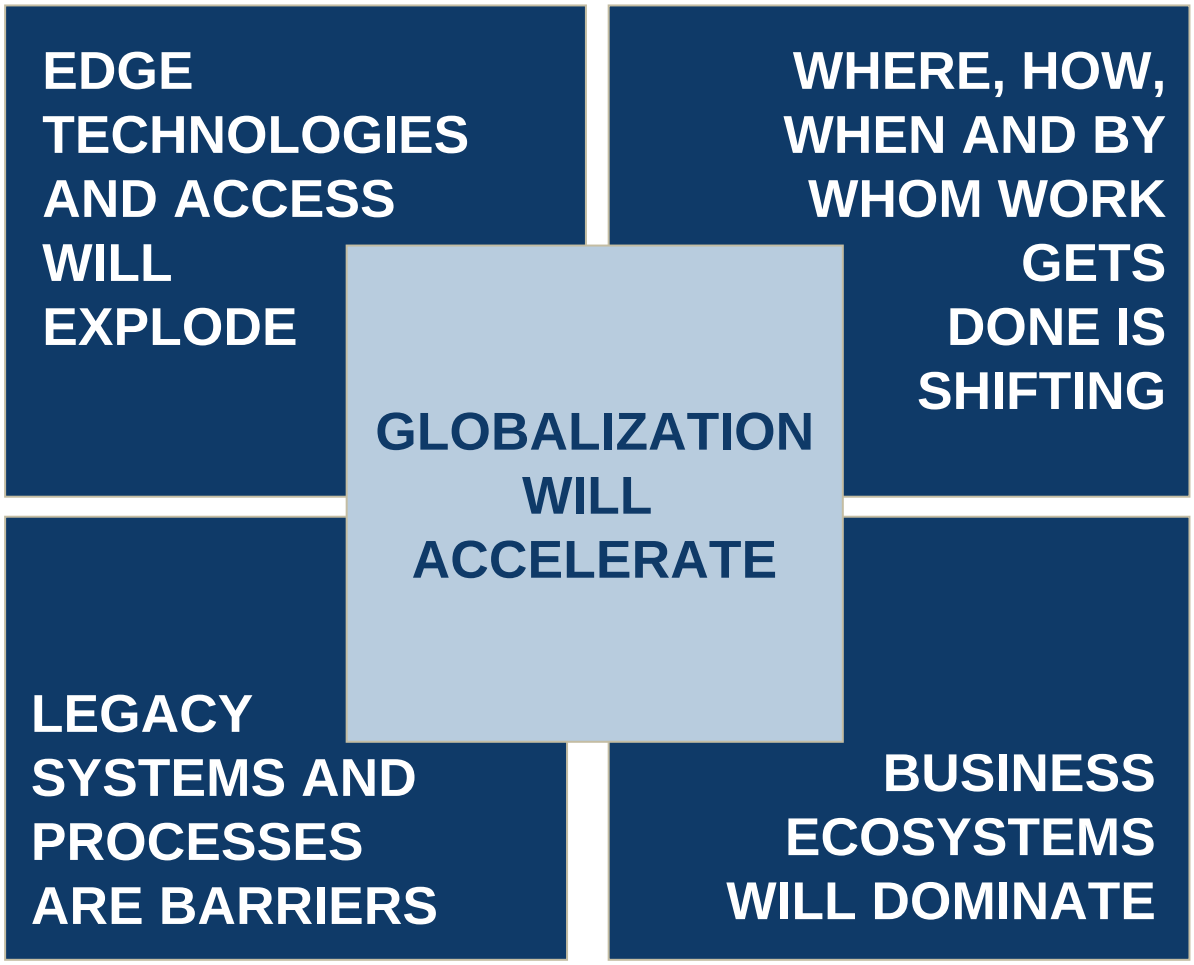
Why We Must Change



In order to survive companies must change the way they do business.

Moving from a rigid IT environment with customized services, to a flexible environment that provides highly leveraged services

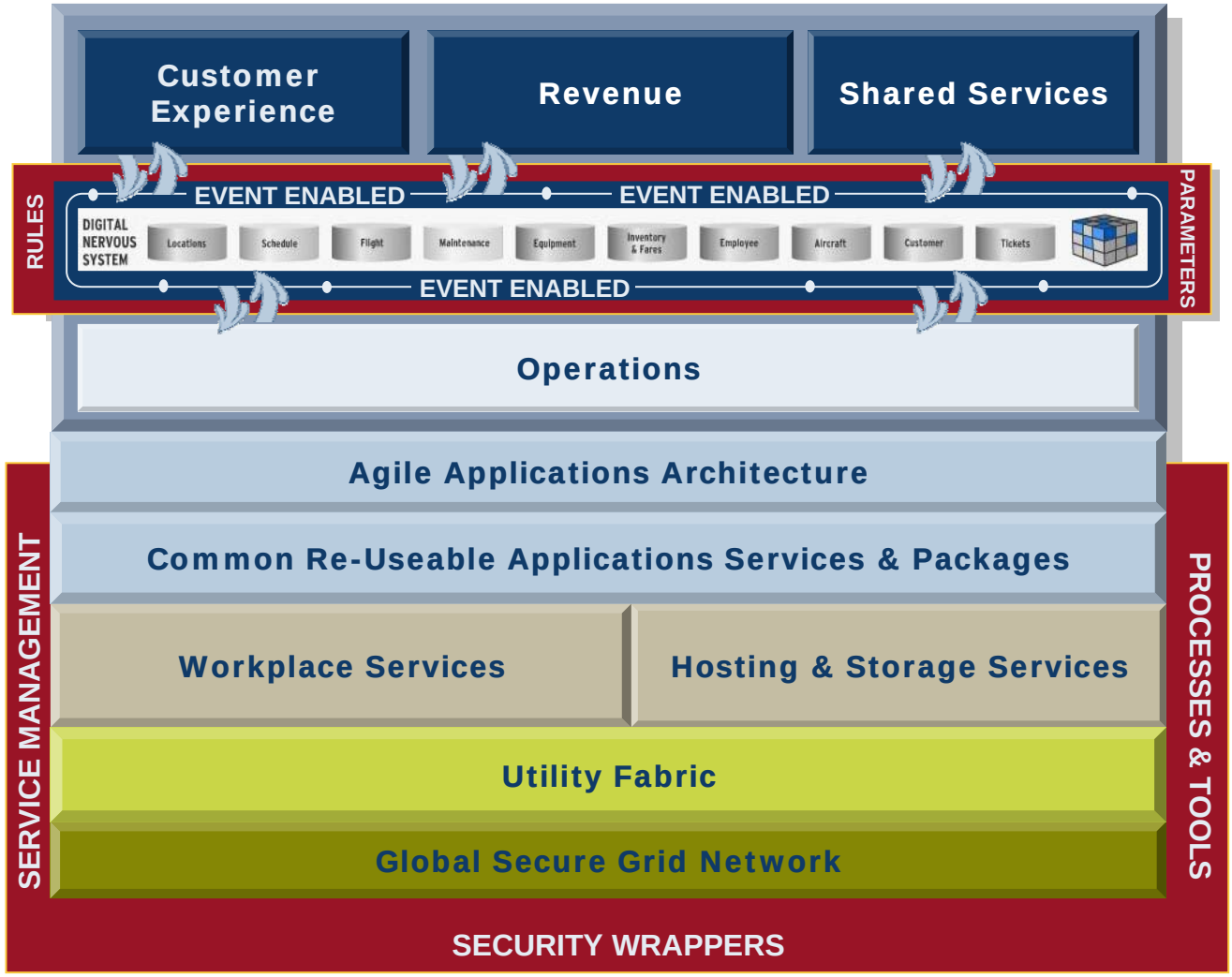
EDS Beliefs


EDGE TECHNOLOGIES AND ACCESS WILL EXPLODE
WHERE, HOW, WHEN AND BY WHOM WORK GETS DONE IS SHIFTING
GLOBALIZATION WILL ACCELERATE
LEGACY SYSTEMS AND PROCESSES ARE BARRIERS
BUSINESS ECOSYSTEMS WILL DOMINATE

Global Infrastructure – Investing in a Modern Infrastructure and Workforce

- **Global consistency**
- **“Always-on” resiliency**
- **Scalability/surge capacity**
- **Pervasive edge reliability**
- **Embedded security in grid DNA**
- **End-to-end management**

The Agile Enterprise



The Transformation Journey

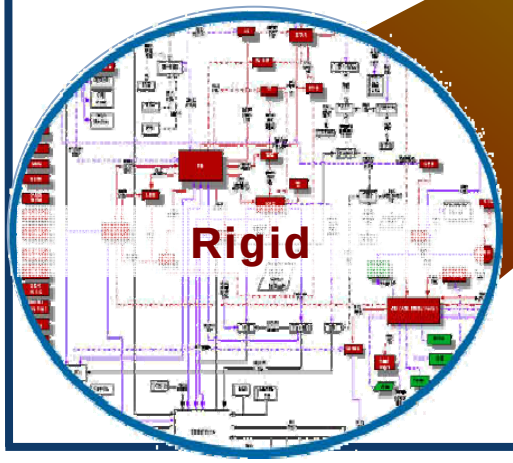
Fragmented Delivery Organization

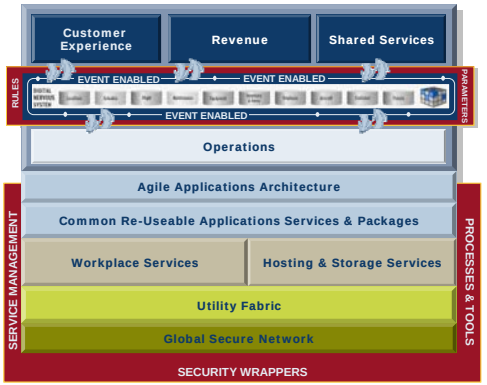
Inconsistent Quality
- *Inconsistent* capabilities, processes and tools
- *Client driven* quality

Slow to Change
- *Lack of standards*
- Functions performed *manually*
- *Non-leveraged* environments

High Cost of Delivery Over Time
- *Lack of clear accountability* for cost of delivery
- *Sub-optimized* labor mix and facilities

Security Vulnerabilities
- *Inconsistent* implementation





Guiding Principles
- Simplification
- Process Reengineering
- Automation
- Consolidation
- Workforce Management

AGILE

Standard Delivery Organization

High Quality
- *Consistent* capabilities, processes and tools
- *Industry or EDS driven* quality

Fast to Change
- *Standard* capabilities, products, processes, tools
- *Automated* functions
- Highly *leveraged* environments

Low Cost of Delivery Over Time
- *Clear accountability* for cost of delivery
- *Optimized* Labor mix and facilities

Secure
- *Consistent* implementation

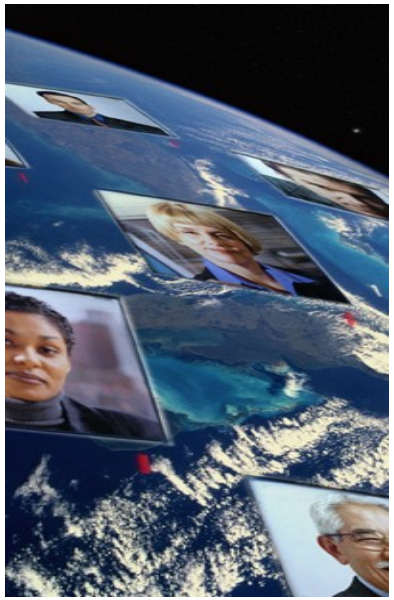
Leverage

L

Speed

H

Service Architecture Closes the Gap



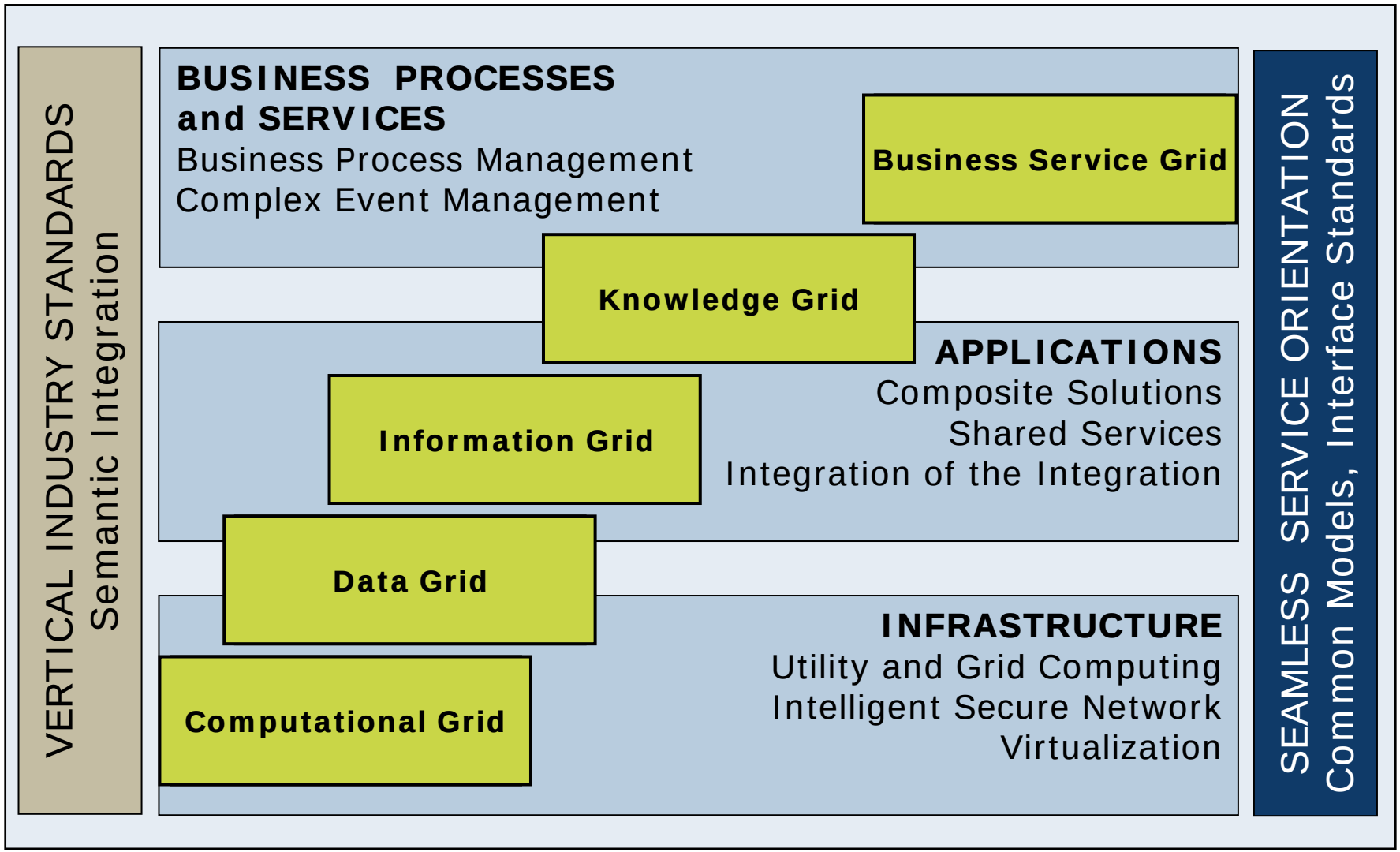
VIRTUAL ENTERPRISE
Real world services

SERVICE ARCHITECTURE

VIRTUALIZED
IT INFRASTRUCTURE
Software service models

"With Google Web APIs, your computer can do the searching for you."

Towards Total Service Orientation



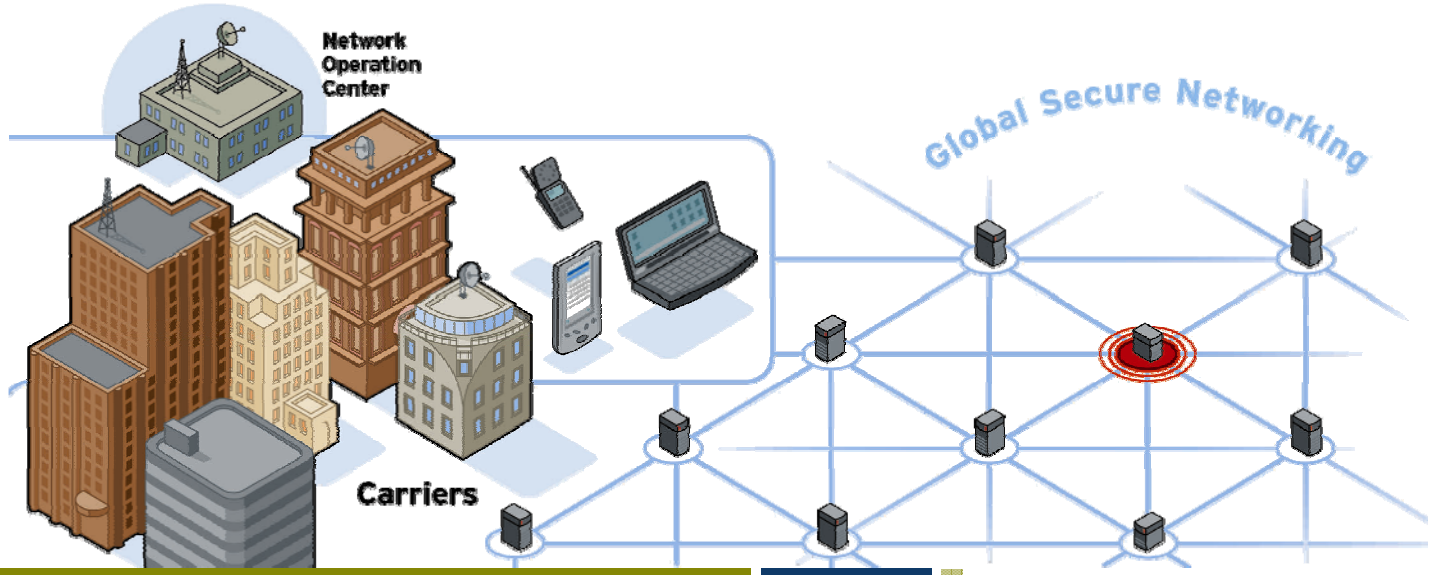
EDS and Grid Computing

- EDS believes that grid computing may provide a **general platform** for sharing and leveraging computing and information resources, in selected areas today, and more broadly in the future.
- The intrinsic sharing, load balancing, and redundancy of grid technology **matches the needs of commercial businesses and EDS services** alike.
- EDS promotes the use of new and innovative technologies and solutions to enhance the performance and **competitive advantages of governments, commercial firms and academic institutions**, worldwide.



The Service Grid - Defined

- The Service Grid defines “service” by the broadest definition used within the IT industry.
- A resource that businesses, and even individuals at some point, can connect to and receive services.
- A robust complex of computing resources, people, code and networking assets, all blended into an ordered array that is powerful, flexible, highly secure and globally accessible.
- Built on a well-defined, open-source, service-oriented architecture, the Service Grid is intended to accommodate the widest possible array of industries, business processes and applications.



The CIO of the Future – Changing the Dialog

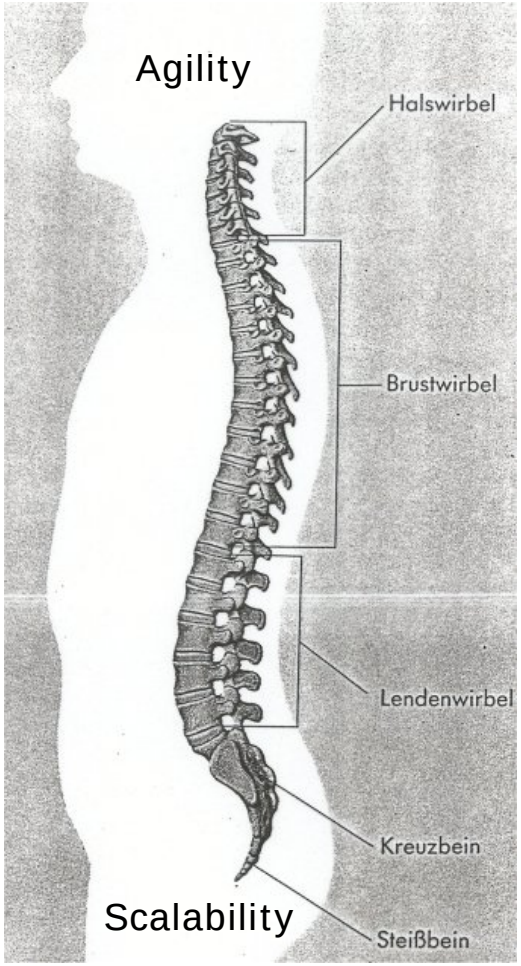
Future-proofing IT beyond successfully cutting costs, putting out fires and keeping the lights on:

- Maximizing the value of IT assets
- Reducing IT complexity
- Focusing innovation efforts on the customer
- Creating a more strategic IT organization

Source:
"Why Today's IT Organization Won't Work Tomorrow", A.T. Kearney, 2005

Why the CIO of the Future Will Like Grids

What are the CIO challenges?	*What is the grid opportunity?*
Maximizing the value of IT assets	Improved asset utilization and availability
Reducing IT complexity	Infrastructure consolidation
Focusing innovation efforts on the customer	Application acceleration, business process agility
Creating a more strategic IT organization	Innovation *and* operational excellence



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