



T-Systems. IT Services Portfolio and Innovation.

T-Systems International GmbH.
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Deutsche Telekom. Partner for connected life and work.

T-Mobile

T-Mobile offers cell-phone solutions in the Netherlands, Austria, the Czech Republic, and the USA.



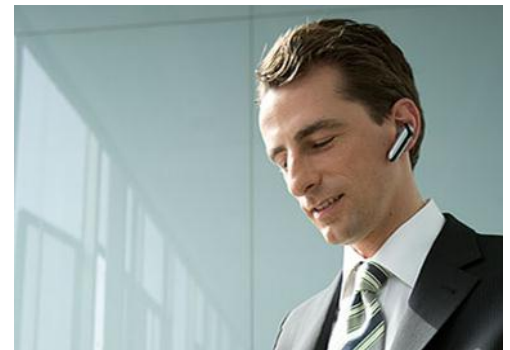
Telekom

The Telekom subsidiaries provide products and services for the fixed network, mobile communications, IPTV, online and cloud services in Europe.

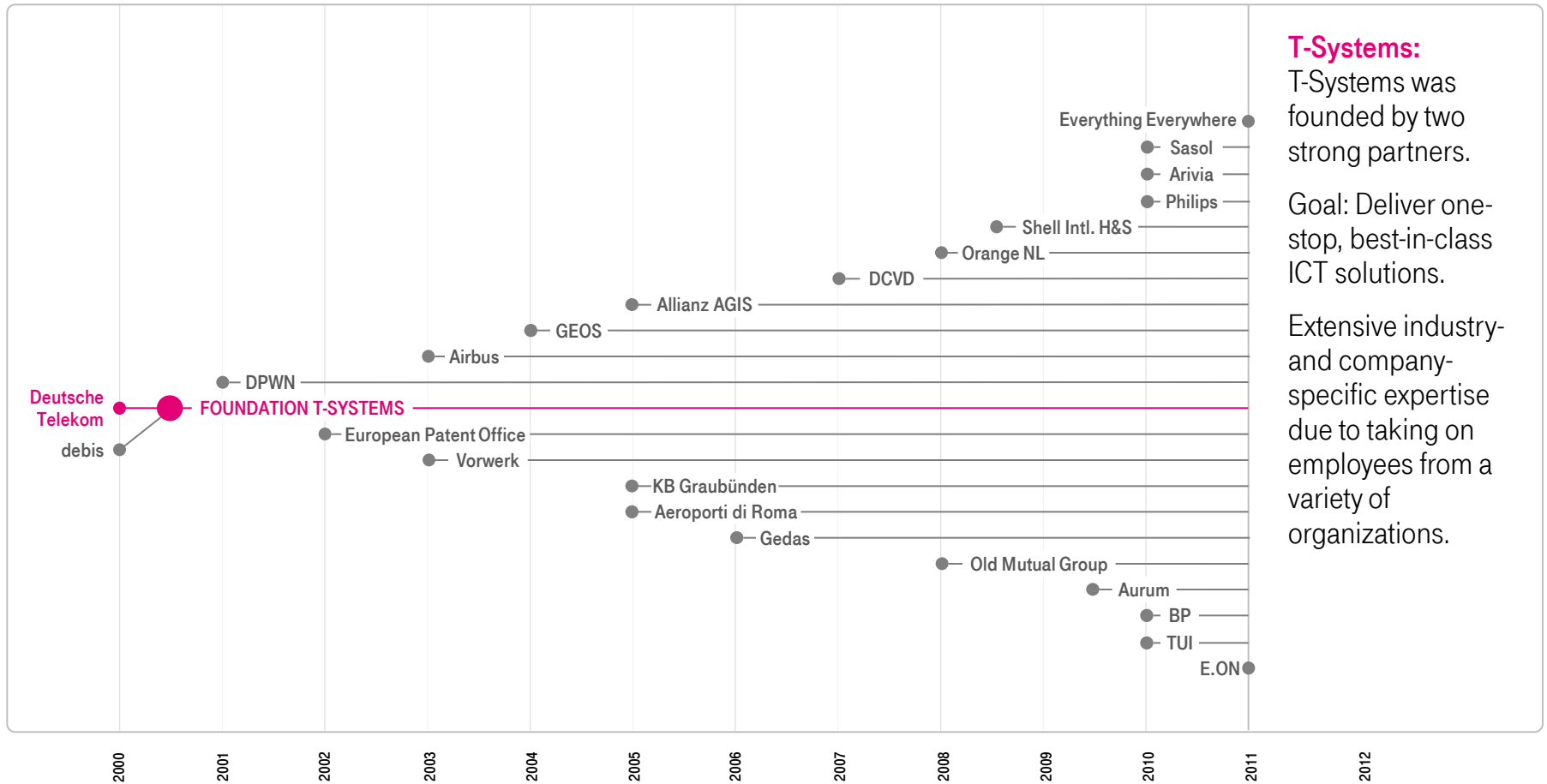


T-Systems

T-Systems delivers ICT solutions for major corporations and public-sector organizations worldwide.



T-Systems. Becoming a leading ICT provider – through expertise and growth.



T-Systems:
T-Systems was founded by two strong partners.

Goal: Deliver one-stop, best-in-class ICT solutions.

Extensive industry- and company-specific expertise due to taking on employees from a variety of organizations.



T-Systems – what we offer.

Global delivery capability.

- Approx. 1.6 million managed desktops worldwide
- 89 data center with 118,800 m² (thereof 22 Twin Core)
- 193 MPLS PoPs worldwide
- Follow-the-sun customer network management via network operation centers in the USA, Singapore, the UK, and GER
- Help-desk support in 28 languages (more than 2,300 service desk agents)



Scalable platforms.

- More than 40 million SAPS running
- 56,400 open systems servers
- 121,500 MIPS
- 139,748 TB Installed Storage worldwide

As of Q4/2012



T-Systems – Deutsche Telekom’s subsidiary for major corporations and institutions. A global player with global resources.



International presence:

Offices in over 20 countries, global delivery capability

Focus:

Large corporations, multi-national companies, public-sector and healthcare organizations

Market position:

No. 1 ICT provider in Germany

No. 1 ICT provider for systems integration in Germany

No. 1 ICT provider for the automotive industry in Western Europe

Revenue:

€9.2 billion (2011 figures)

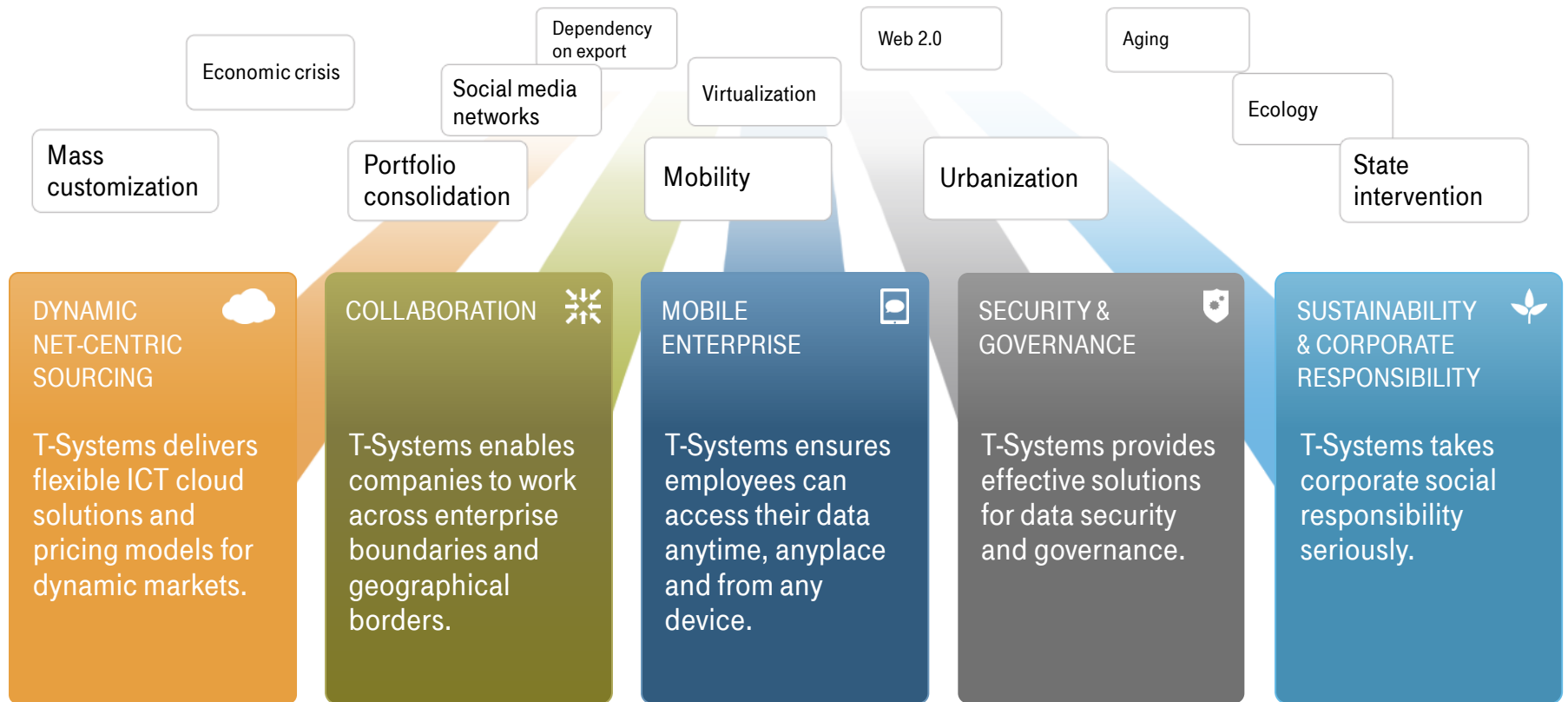
Employees:

Approx. 48,200 (25,500 in Germany, 22,700 outside Germany) (2011 figures)

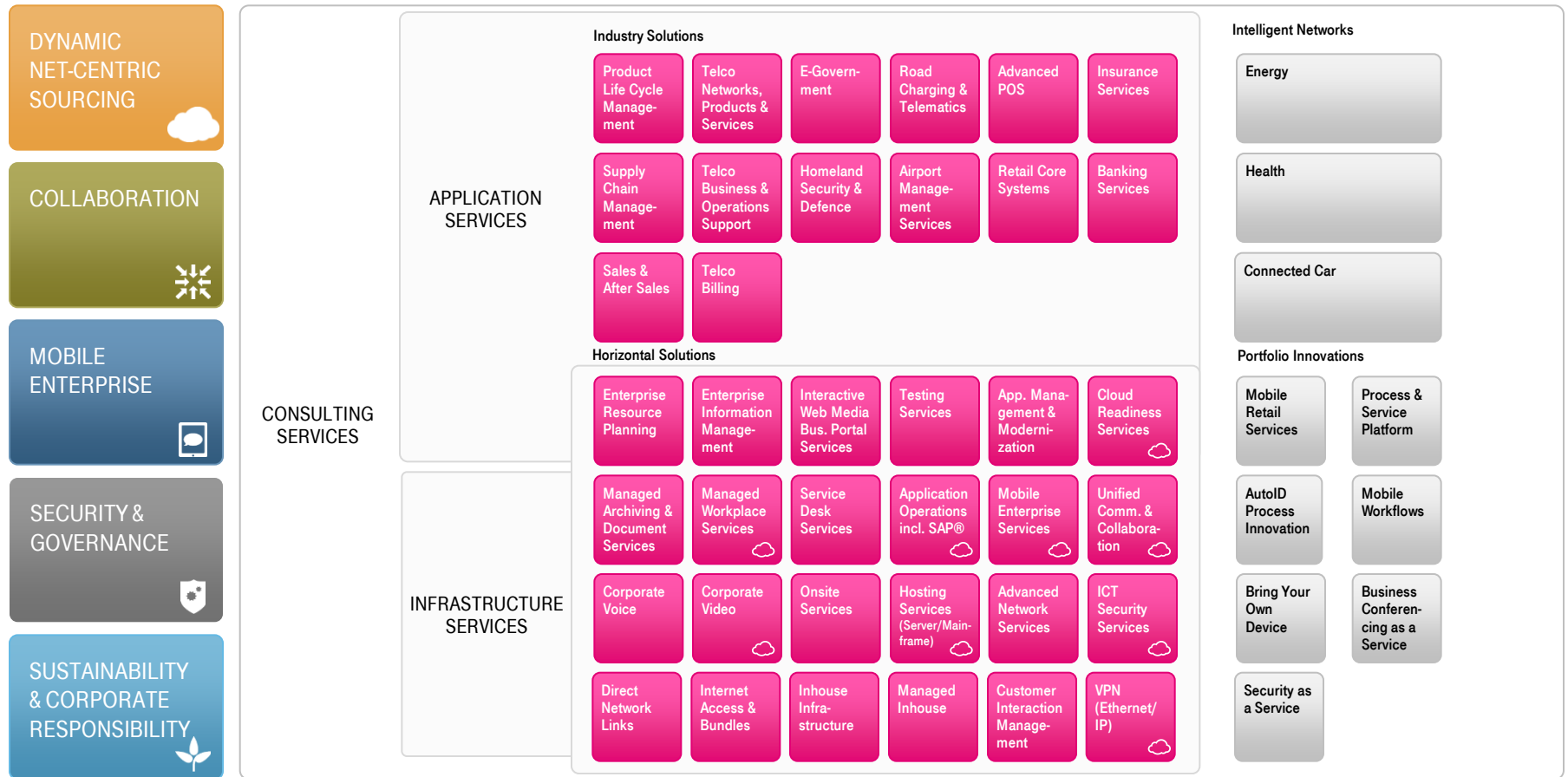


IT Services Portfolio and Innovation.

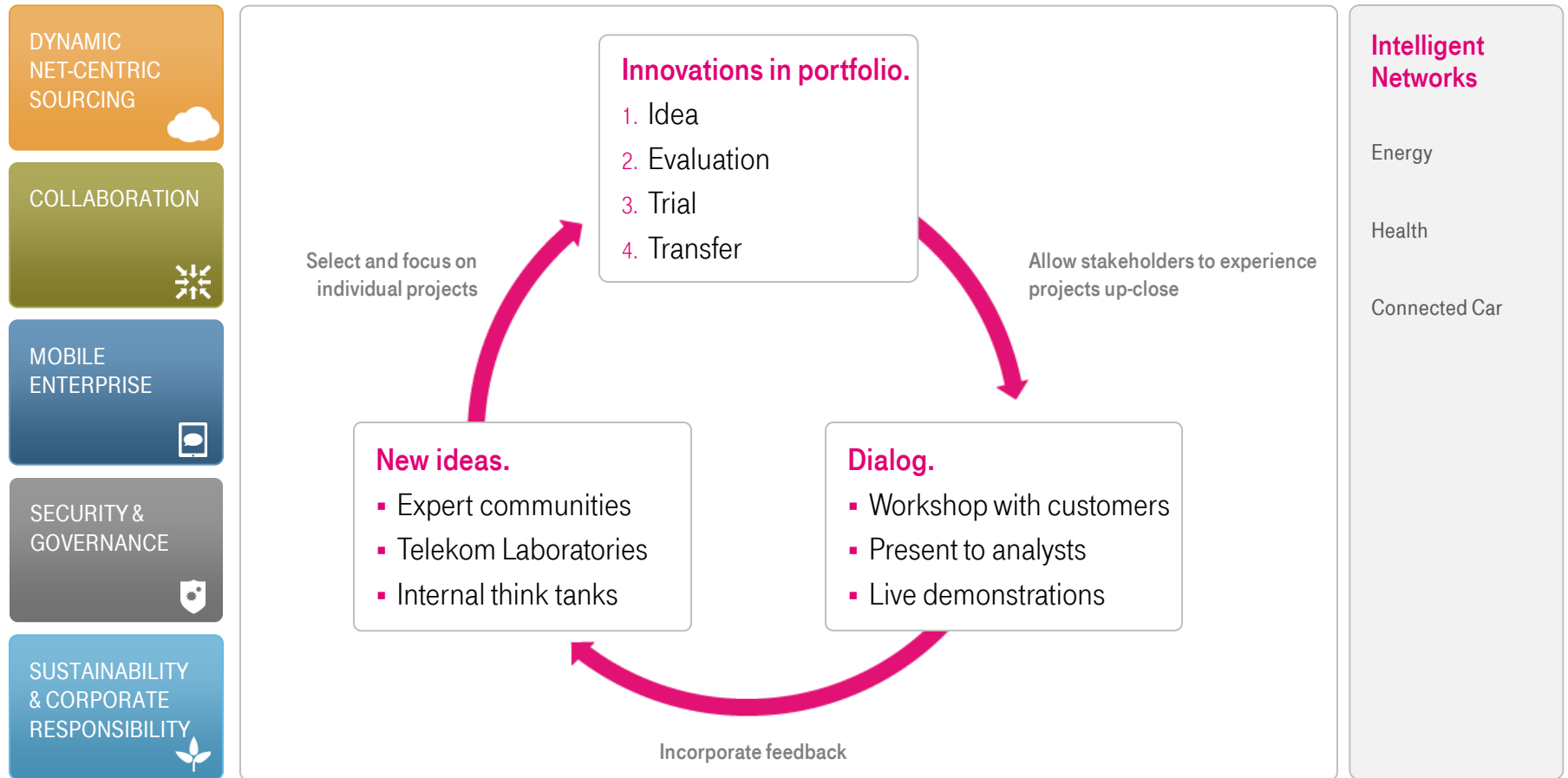
Based on market and societal challenges, we have established five core beliefs.



Our ICT portfolio is based on our core beliefs.



Portfolio innovation – based on our Core Beliefs and intelligent network solutions.



Intelligent network solutions enable T-Systems customers to develop and deploy new business models.

Energy.

Comprehensive services for highly complex, next-generation power grids.

- Smart grid services
- Smart metering
- Home management



Health.

Communications solutions connecting doctors, patients and health insurers.

- Smart healthcare from the cloud
- Caring for patients in their own homes – via IPTV/telemedicine



Connected Car.

Connecting vehicles to the Internet and business processes.

- In-car ICT
- Telematics
- New mobility solutions



Intelligent networks that connect diverse devices and systems are driving growth for new ICT technologies.

Dynamic Net-Centric Sourcing: ICT services via the cloud.

DYNAMIC
NET-CENTRIC
SOURCING



COLLABORATION



MOBILE
ENTERPRISE



SECURITY &
GOVERNANCE



SUSTAINABILITY
& CORPORATE
RESPONSIBILITY



T-Systems offers scalable cloud-computing and pricing models for today's dynamic markets.

- Standardized fixed-price services delivered via a private cloud (IaaS, PaaS, SaaS)
- Reliable, secure, high-performance network connectivity
- Expert advice on seamless, structured migration to the cloud

Benefit:

Scalable provisioning on a pay-per-use basis



Flagships in Industry, Research and eScience.

Industry: Shell.

Dynamic services for collaboration.



Shell

- Shell is a global energy and petrochemicals company with around 102,000 employees in more than 100 countries and territories.

The challenge

- Shell wanted to enable employees to collaborate worldwide using SharePoint.
- Information needed to be accessible across the enterprise via intelligent search functionality
- Secure data management

... T ... Systems ...

Reference: Shell.

Dynamic services for collaboration.

DYNAMIC
NET-CENTRIC
SOURCING



COLLABORATION



MOBILE
ENTERPRISE



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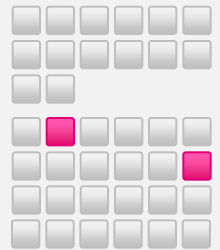


The solution

- 3 farms: Standard MS SharePoint 2010 (standard core data/standard applications, MS BPOS), T-Systems' solution for Sharepoint 2010 for specific applications, FAST (full-text and metadata searching)
- Cross-farm services such as web analytics, identity and access management (single-sign-on)
- Currently available for 150,000 users, 300 terabytes of storage

The benefits

- Scalability, easier maintenance
- Pay per use
- Standard collaboration functionality, such as document sharing, enables employees around the world to access relevant information conveniently and rapidly – without having to know what format the file is in or where it is stored

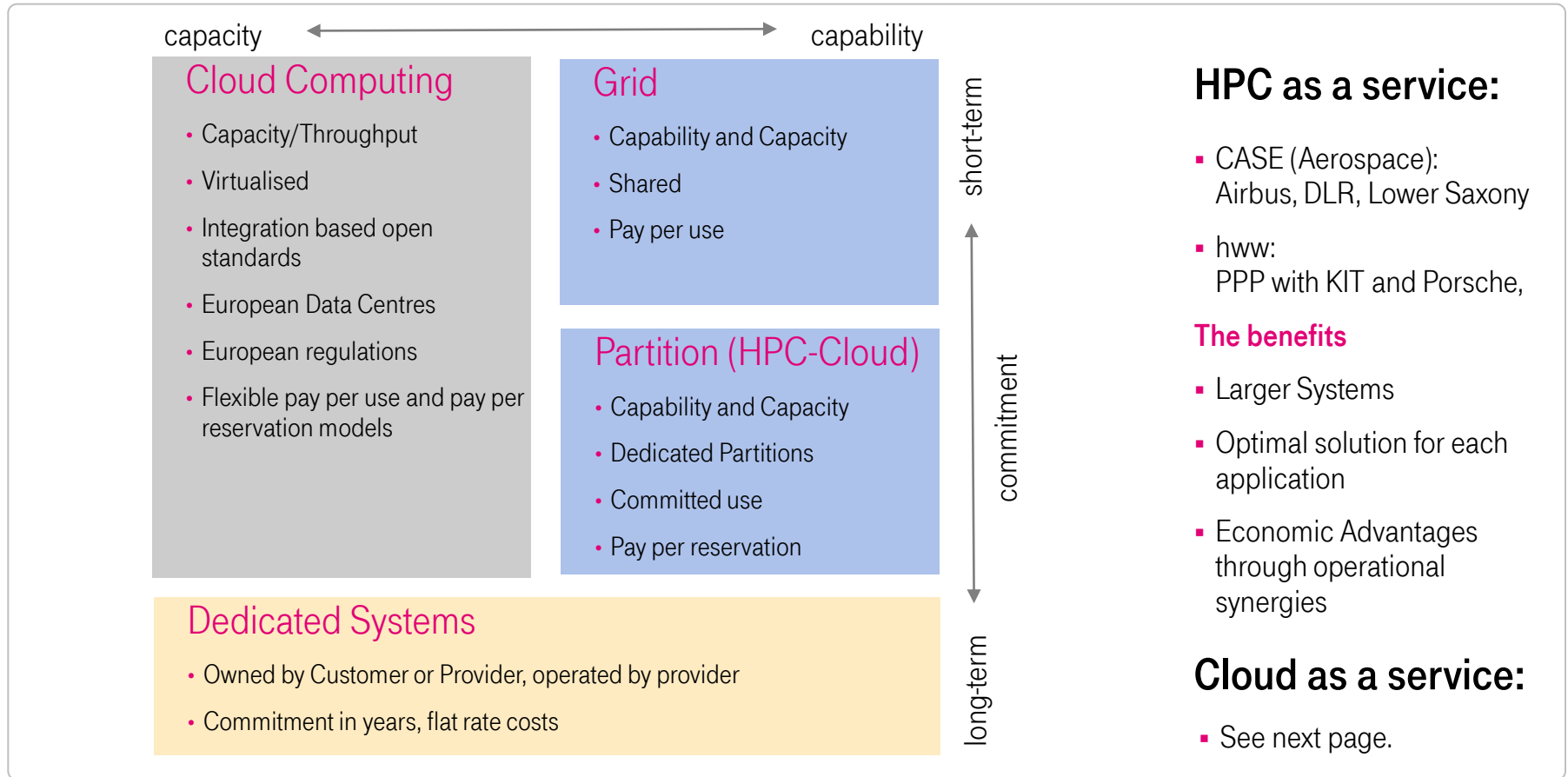


Enterprise
Information
Management

Unified
Communication
& Collaboration



Research: Airbus, DLR, KIT, Porsche and others. Commercial services for Scientific and Technical Computing.



A European cloud computing partnership: big science teams up with big business



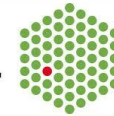
Strategic Plan

- ▶ Establish multi-tenant, multi-provider cloud infrastructure
- ▶ Identify and adopt policies for trust, security and privacy
- ▶ Create governance structure
- ▶ Define funding schemes



To support the computing capacity needs for the ATLAS experiment

EMBL



Setting up a new service to simplify analysis of large genomes, for a deeper insight into evolution and biodiversity



To create an Earth Observation platform, focusing on earthquake and volcano research

Atos

CloudSigma

CSA cloud security alliance™

DANTE
www.dante.net

ECMWF

egi

ifremer

interoute
from the ground to the cloud

logica
be brilliant together

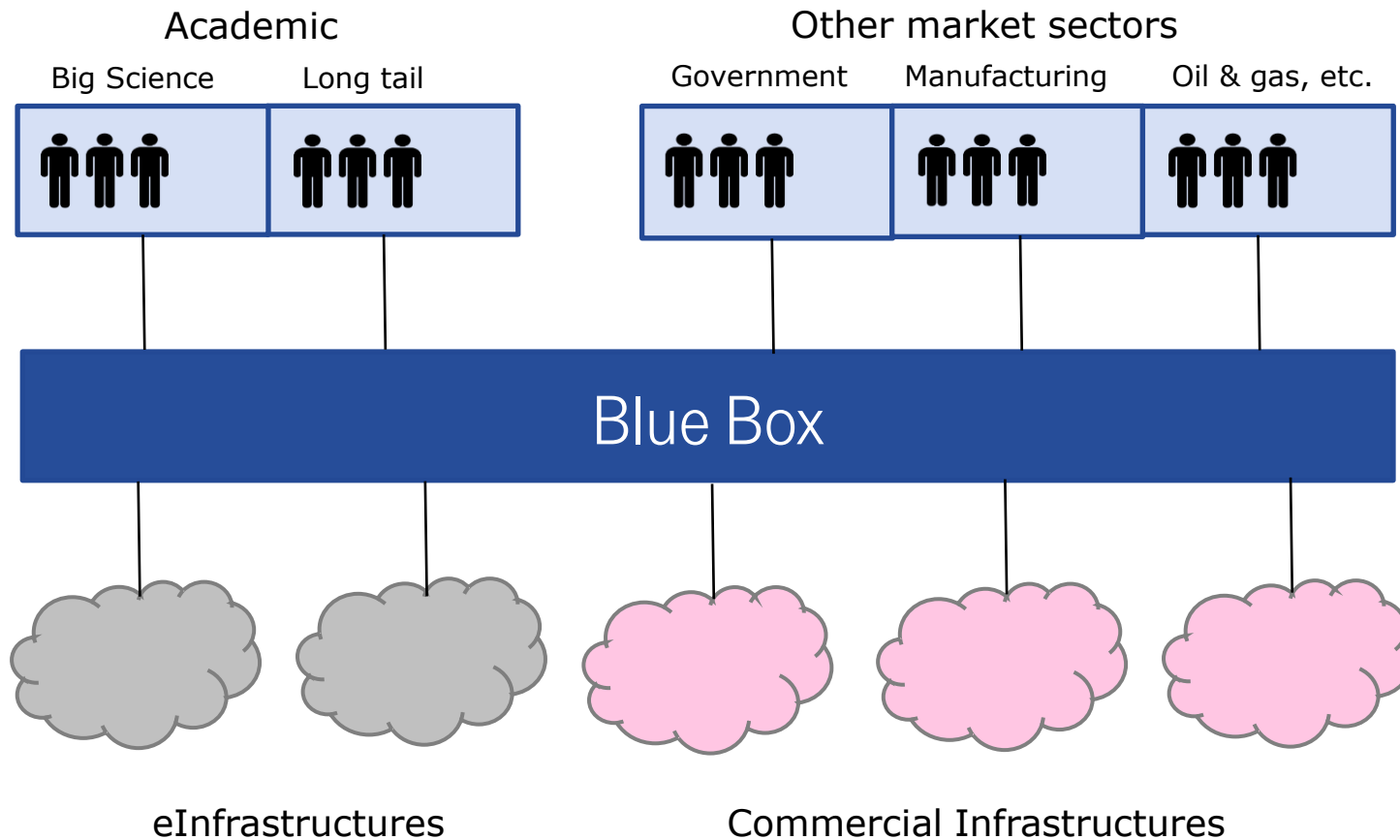
OpenNebula.org
The Open Source Toolkit for Cloud Computing



Adopters



Federated Cloud Computing for eScience and Industry. Closing the gaps with Open Architectures and Open Source Solutions.



Blue Box

The Challenges

- Identity Management
- Trust and Security
- Data Management
- Image Management
- Multi-cloud provisioning
- Elasticity and Automation
- Service Levels
- Monitoring, Accounting and Billing
- Marketplaces
- Brokering

A global player.
With European roots.

Data security

- T-Systems consists of companies and employees in many different European countries.
- T-Systems shares common cultural values, knows its markets, and complies with European legislation.
- If required, T-Systems can ensure that data is stored exclusively in data centers governed by strict German or European legislation for data protection and security.

T-Systems