New Cloud Intelligent Society

José Pinto (Fujitsu)

José Pedro Abreu (Mainroad)

José Veiga (CiL)

Flexibility

Virtualization

Hybrid Cloud

Infrastructure Shared Innovation Capacity
Business Processes State of the State of

Private Prication Services

Dynamic

Efficiency



Data backup

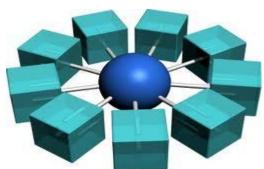


- > Cloud Evolution and the new e@commerce approach
- > The Data Center and Communications Cloud role
- SaaS as vertical solutions



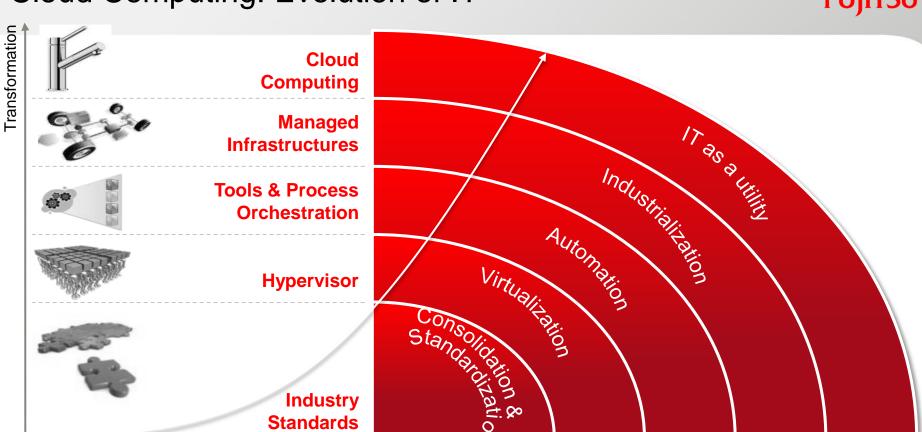






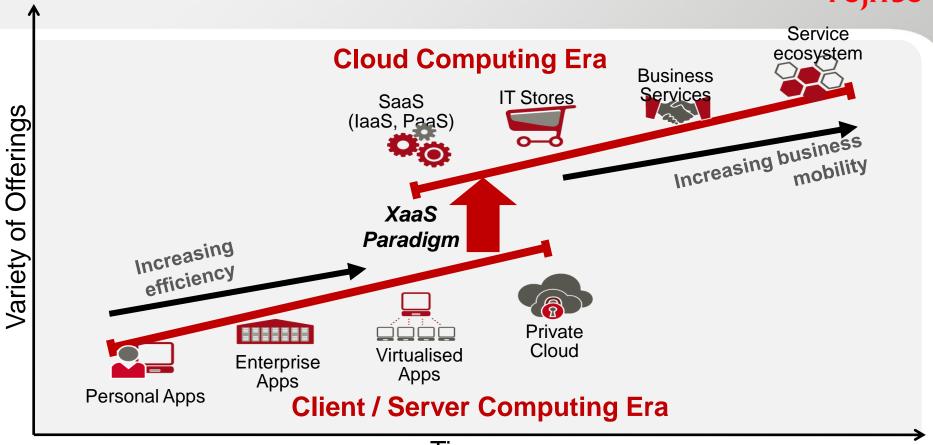
Cloud Computing: Evolution of IT





IT Stores: Consumer Portals for Cloud Services

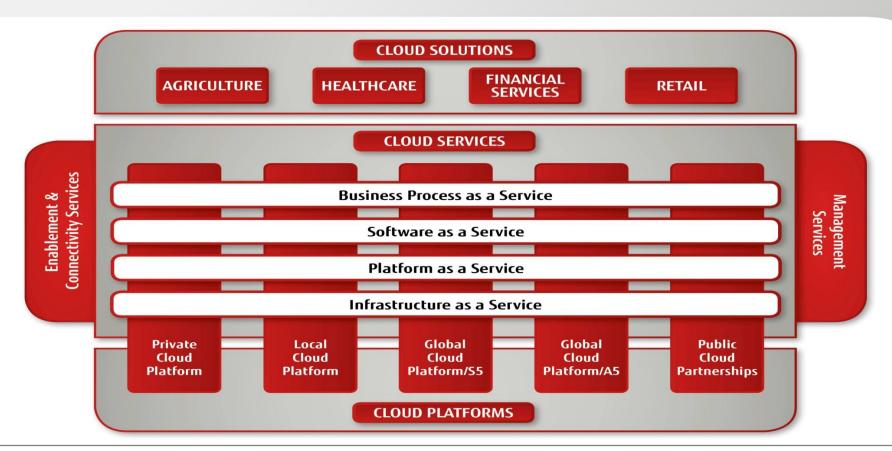




Timge

Cloud Computing Models





Cloud Computing: IaaS, DaaS, Manage Mobile XaaS





The new generation...



- Anytime -- anywhere -- any device
- Attractive IT workplace
- Consumerization...
 - Integration of social media
 - Consumer app's and services entering corporate space



"No, you weren't downloaded. Your were born."



XaaS is Moving up the Value Chain



from 2015 ???

CONTENT

Consume Outcomes from Whole Business Capabilities as a Service to Build World Class Value Web



2010

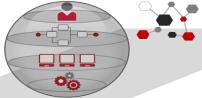
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ACTIVITIES

Consume Mass Customisable Business Processes as a Service to Access Best Practice and Improve Operations

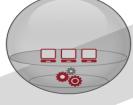














APPLICATIONS

Consume Mass Customisable Software as a Service to Increase Agility, Reduce Cost & Focus on Core



2000

2010

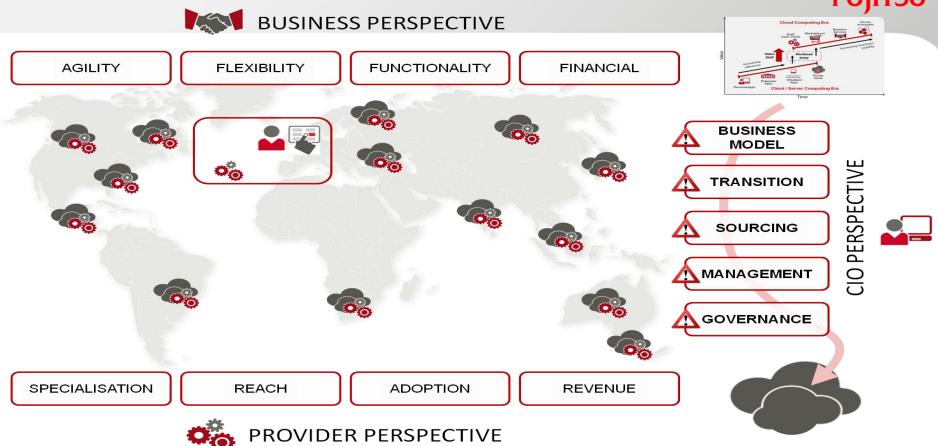
INFRASTRUCTURE

Configure, templatise and consume base infrastructure components for speed, agility and cost effectiveness



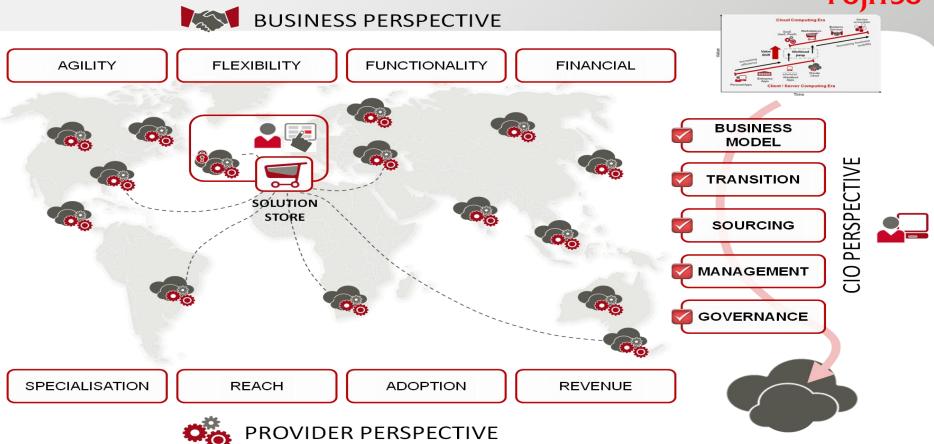
How do IT Solutions Reach the Consumer?



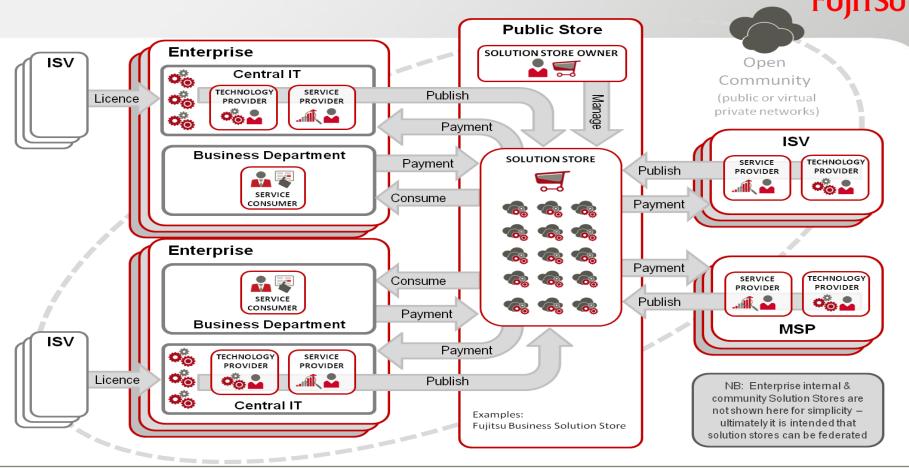


Introducing the IT Solution Store



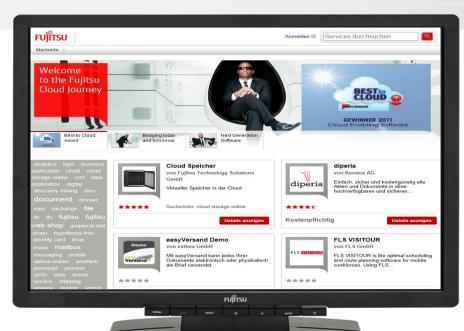


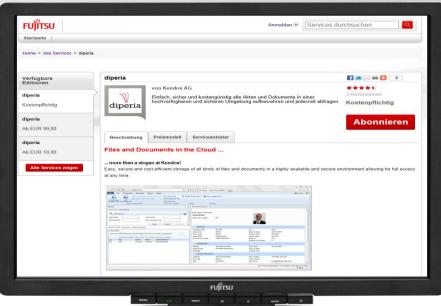
Public Cloud Business Solution Store



Business Solutions Store









Visit our on-line Enterprise Software

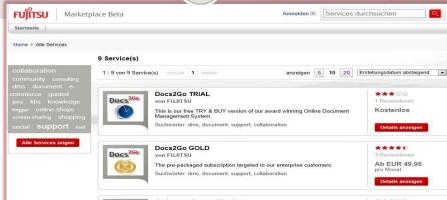


SaaS - Software Catalogue











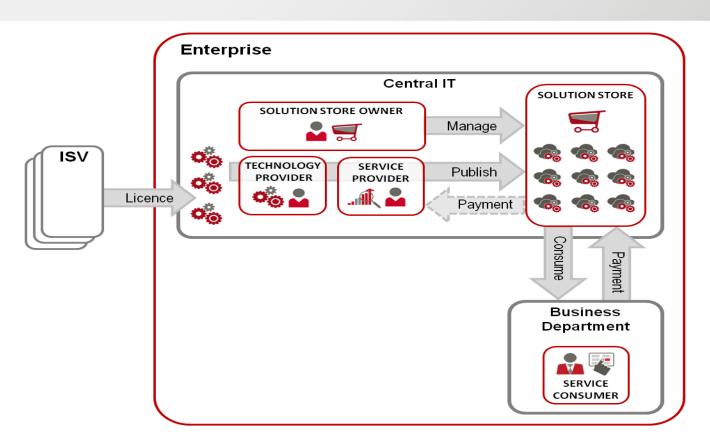
Self Service - Flexible - Pay per Use





Private Cloud Enterprise Solution Store





The Enterprise Portal is the desktop for a new age, the information age.

It is a single window onto the combined knowledge and processing power of the enterprise.

To enhance the experience of customers, employees, suppliers and partners the Enterprise Portal must provide a convergence of information, application and technology.

Source: The Business Forum Jan 2012

http://www.bizforum.org/whitepapers/kanbay003.htm

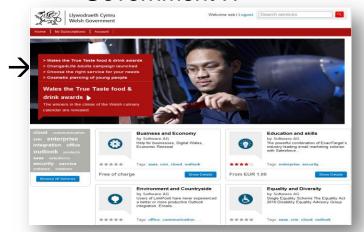
Private Cloud Enterprise Solution Store



- Public Cloud Focus
- Extension of ISV Cloud Program
- Presented at Fujitsu Forum 2011
- Live at CeBIT 2012



- Private Cloud Focus
- Target Market:
 - Corporate IT
 - Government IT





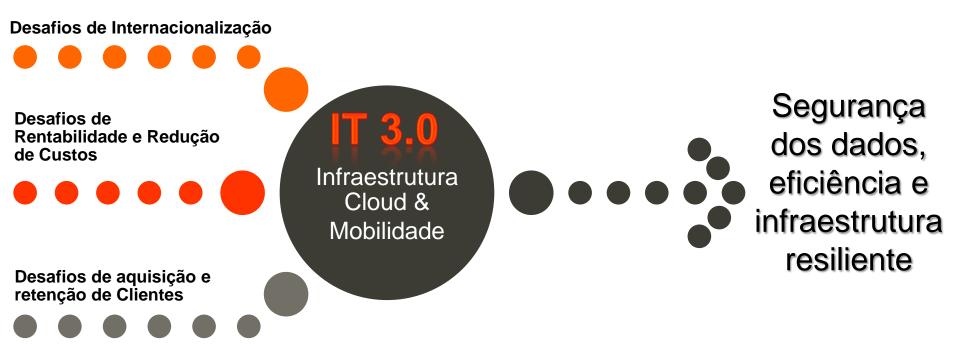
New Cloud Intelligent Society

Data Centers & Mobility

José Pedro Abreu

Infraestrutura Cloud & Mobilidade Desafios que se colocam às empresas?





Infra-estrutura Cloud & Mobilidade IT 3.0 – desafios da cloud & mobilidade



	IT 1.0	IT 2.0	IT 3.0
	PRE-INTERNET TECHNOLOGY	INTERNET PROCESS	CLOUD & SOCIAL PEOPLE
COMMUNICATION	Paper based	Email-based	Collaborative, Many 2 Many
TECHNOLOGY	Mainframe & Client/Server	Client/Server & Browser	Delivered as a Service
PEOPLE	Just got in the way	Learned from IT	Inspired IT
IT & BUSINESS	Separate	Aligned	Inseparable
PROCESS	Isolated	Enabled	Evolved

Source: http://www.cloudtweaks.com/2011/08/it-3-0-manifesto-the-cloud-service-movement/

Infraestrutura Cloud & Mobilidade IT 3.0 - Desafios na adoção da Cloud em Portugal



- Um terço das organizações já estão a utilizar serviços Cloud Computing
- 30% das organizações estão em fase de planeamento ou vão utilizar a curto prazo
- Apenas um terço não tem interesse



IDC Estratégias de Adopção de Serviços Cloud Computing nas Empresas Nacionais, 2011

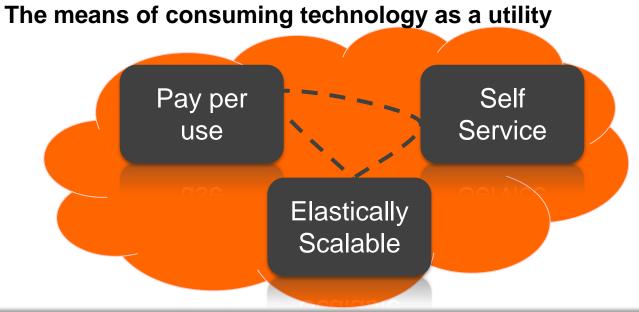
Infraestrutura Cloud & Mobilidade IT 3.0 -> Opção Cloud?



Lots of confusing messages (Cloud Washing) but simply put....

A technology or a business process delivered as a service in a way that is elastic and scalable, pay per use and self

service.



Public shared with anyone

Community (Trusted) selectively shared

Private just for you

Infraestrutura Cloud & Mobilidade IT 3.0 - Crescimento da Mobilidade

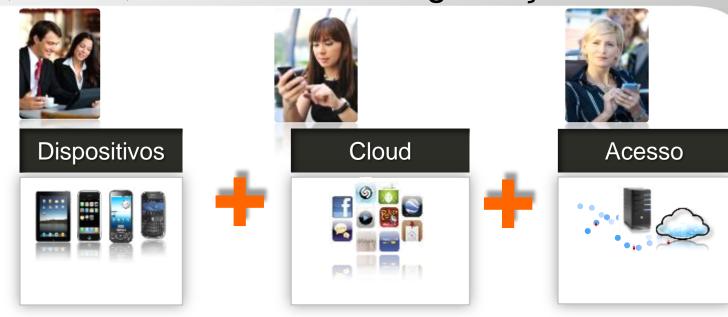




Infraestrutura Cloud & Mobilidade Dispositivos, Cloud, Mobilidade -> Segurança?



Como se refletem os desafios nas empresas?



"CIOs in Europe and the U.S. expect substantial increases in device diversity, and are exploring new management and funding models, such as employee-owned."

"Through 2016, at least 25% of employees in the U.S. and Western Europe will not be permitted to use their own mobile devices for work because of the sensitivity of data they access."

Source: Gartner - CIO Attitudes Toward Consumerization of Mobile Devices and Applications 25 May 2011

Infraestrutura Cloud & Mobilidade Desafios IT 3.0 ? -> Infraestrutura resiliente



Uma solução de cloud com efetivo suporte de segurança a dispositivos móveis tem de ser suportada por:

- Uma infra-estrutura de Data Center próxima, segura e redundante
- Processos robustos e ferramentas de suporte e automação
- A qualidade da interligação do cliente à plataforma de cloud computing é chave para o sucesso da solução
- Apenas uma oferta integrada da componente de Data Center com a de telecomunicações garante o nível de serviço end-to-end (SLAs)
- Acesso à gama completa ICT







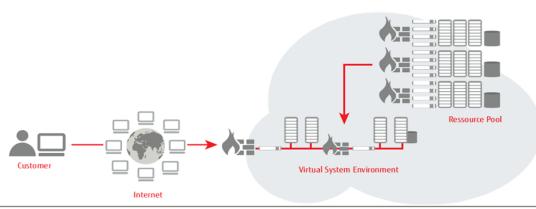




Infraestrutura Cloud & Mobilidade Desafios IT 3.0 ? -> Trusted Cloud



- Plataforma alojada em Portugal acedida via Internet ou circuito dedicado
- Desenhada numa arquitetura de Cloud
- Orquestração e Automação das pools de recursos existentes
- Base das ofertas de PaaS e Saas





A NOSSA VISÃO MOBILIDADE + CLOUD?

Vai desencadear:

- Consolidação de Data Centers
- Consolidação de Desktops
- Serviços Integrados de Segurança

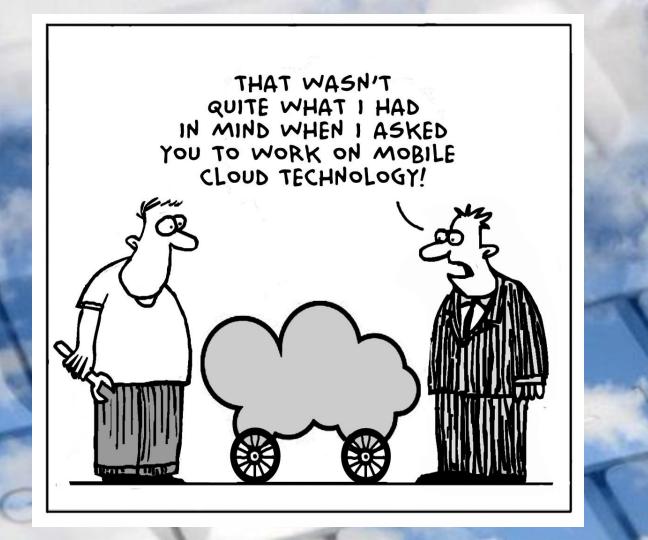
Como resposta a:

- Adoção pelas empresas de Soluções Cloud
- Desafios da Internacionalização
- Maior peso da mobilidade

Tendo como base os desafios das empresas:

- Rentabilidade
- Crescimento
- Satisfação e Retenção do Cliente



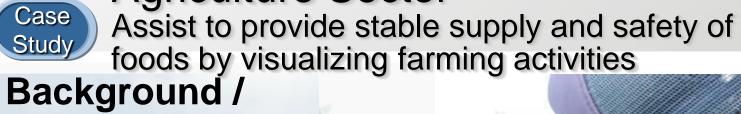


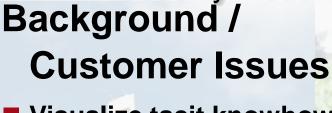
How to do better with less?





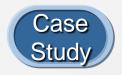
Agriculture Sector Case





Visualize tacit knowhow of experienced farmers by IT, contributing to stable supply and safety of foods

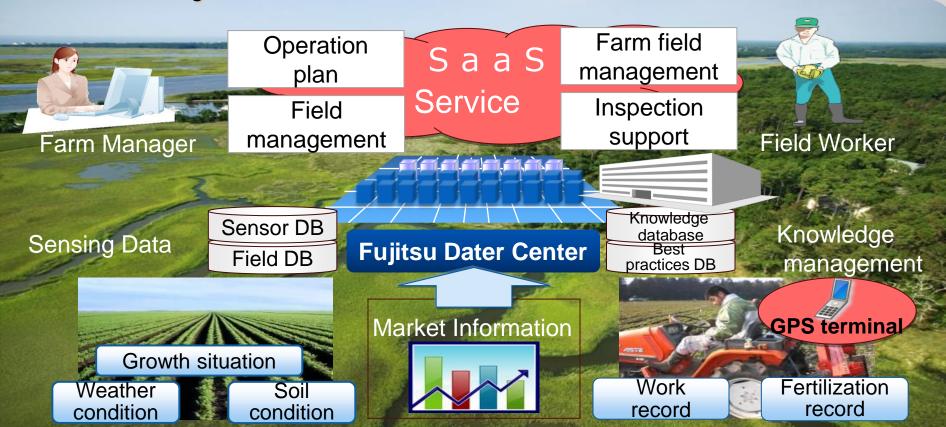




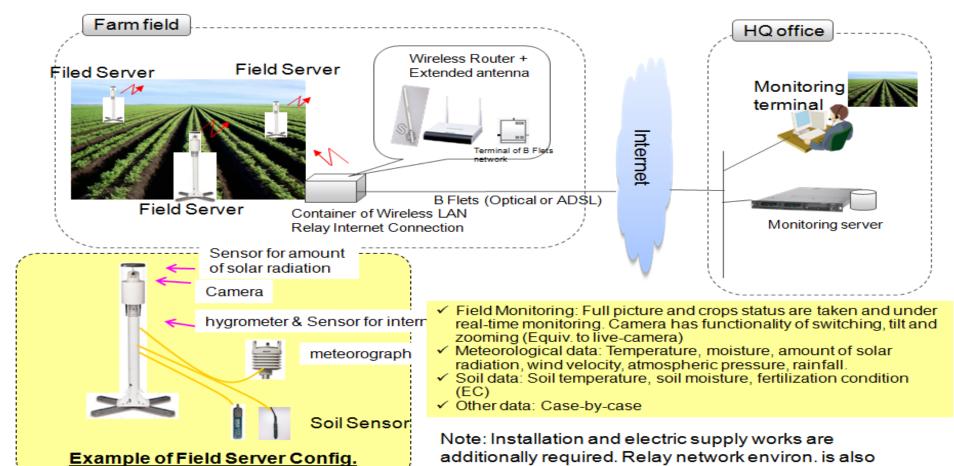
Agriculture Sector

Assist with stable supply and safety of foods by visualizing farming activities





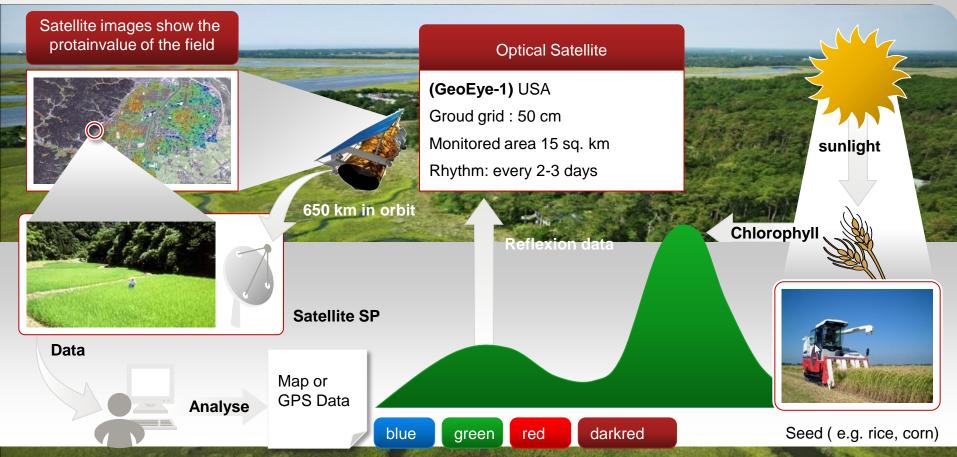
[Farm Filed Sensor] Field sensing



necessary.

Fujitsu Solution for the quality management of rice





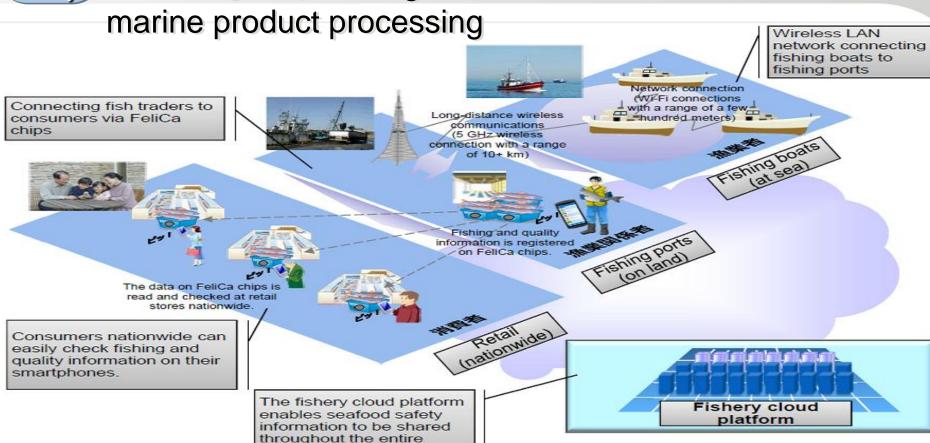


Fishing Sector

fishing industry.

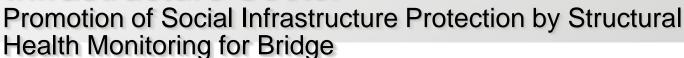


Connecting People Using ICT in fisheries and





Infrastructure Sector

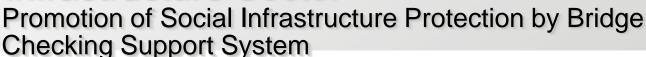




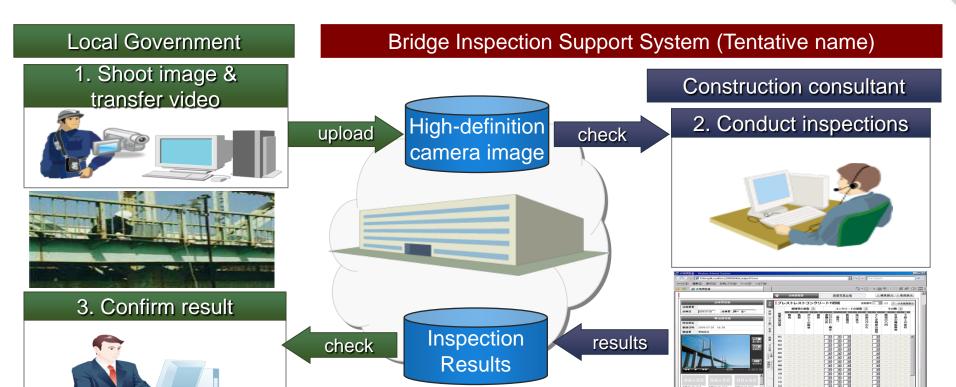


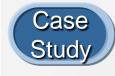


Infrastructure Sector









Health Sector

Connecting People Through Medical Care Networks HumanBridge EHR Solution, Human Bridge Portal, and Human Bridge Mobile





Customer Benefits

- Fujitsu's solutions promote the sharing and integration of medical care information and the development of two-way medical care networks.
- Users are provided with access to a variety of services through portal sites.
- Services are available via mobile terminals from any place and at any time.

Through HumanBridge services, Fujitsu's local medical care network services are creating bridges between people and helping to realize a society in which local community members can work together to support health, medical, and nursing care for community residents.



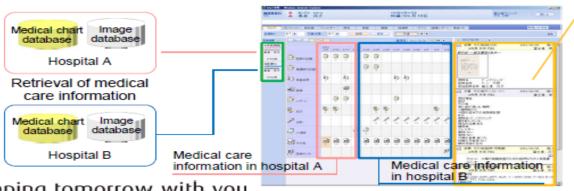
Health Sector

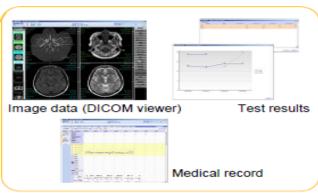


Connecting People Through Medical Care Networks HumanBridge EHR Solution, Human Bridge Portal, and Human Bridge Mobile

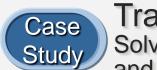
HumanBridge EHR Solution

- Fujitsu's HumanBridge EHR Solution enables multiple medical care institutions to share medical care information so as to create a single medical record for each patient within a single region.
- Fujitsu's solution provides a secure environment to encourage as many medical institutions as possible to join medical care networks.
- Fujitsu's solution is standardized to be used in combination with the electronic medical chart systems developed by other companies.





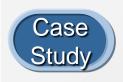
shaping tomorrow with you



Transport Sector

Solving traffic congestions by using Automobile Probe Information FUJITSU and adding additional services

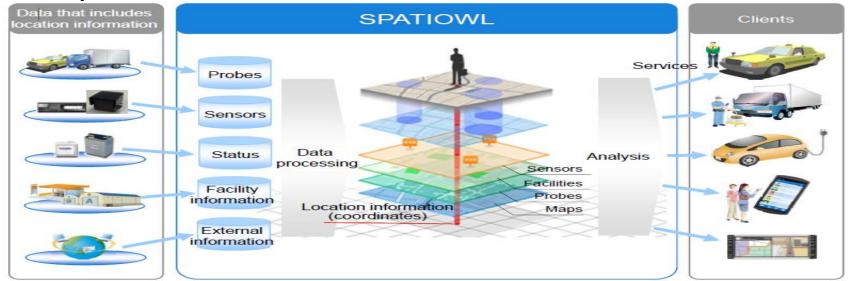




Transport Sector Solving traffic congestions by using Automobile Probe Information - SPATIOWL



- SPATIOWL uses probe data*1 generated by operating vehicles together with location information from a variety of sensors to analyze data sources in real time and provide functional groups linked to external information via cloud computing.
- For example, corporate clients and organizations can develop unique services using location information and create new forms of value such as real-time traffic information, urban planning proposals and new forms of local community services.





Business Intelligence for Education FUJITSU





The Social Learning Ecosystem

Powered by FUjitsu



The Concept – The social learning ecosystem

A suite of software solutions and services designed to deliver Content Management, Business Intelligence, Communication and Workflow functionalities to Education, based on the CIL QuantumCube Education Portal platform.

Country/State

Content Management Admin Process
Services

Education BI

Support Workflow
Services

Schools

The Education Portal



The Cloud enabled Social Learning

Education Workflow

Education Business Intelligence

School Information System



The Education Portal

Education Community

Education Management Organizations

Schools



The QuantumCube Education Portal

 A portal application architecture created for implementing and supporting Education Content and Communication management in a multi-layer School and Cluster of Schools connected

Why the QuantumCube Education Portal?

• To provide easy to use Content Management and Communication functionality for teachers, students, parents and education service providers.

Create Multi-Layer Schools
Portal architecture

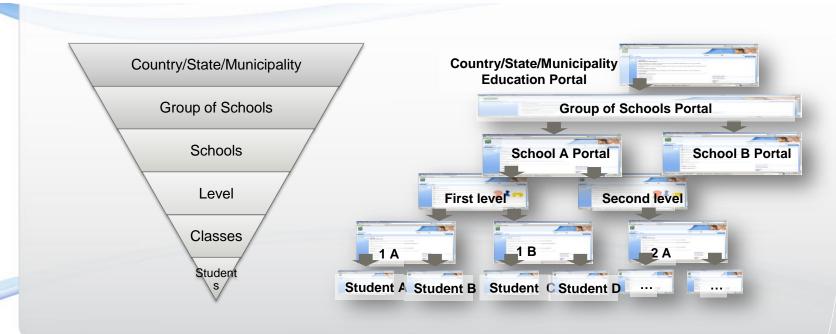
Use strong Communication tools for Teachers, Parents and Managers

Build Country, States, Municipalities, Colleges, Schools and Classes connected Education Portals

Stay always On with mobile access to your info

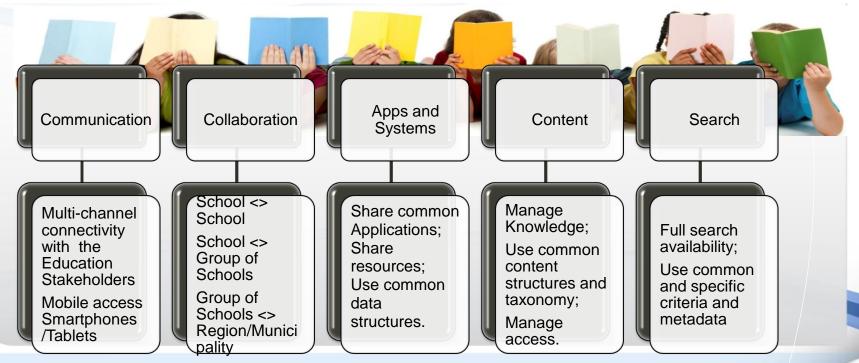


The Education Portal - Architecture





The Education Portal – Social learning





The QuantumCube Education Business Intelligence

An application platform designed to support education decision makers to perform planning and analysis activities, based on education key performance indicators, in a simple, effective and

Why the QuantumCube Education Business Intelligence?

• Easy and flexible multi-dimension access to Key Performance Indicators related with the Education Context of a Country, State, Municipality or School.

Get Instant access to key information on Education

Build your own Indicators and Reports

Use state of the art business intelligence data processing

Share ready to use CAF on Education Indicators and Reports

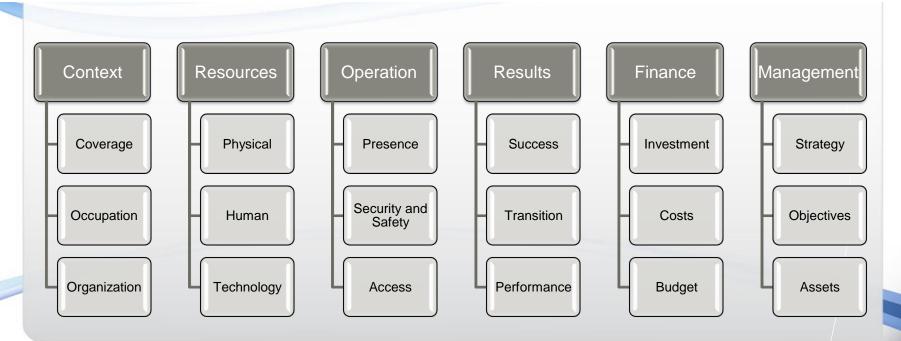


The Education Business Intelligence



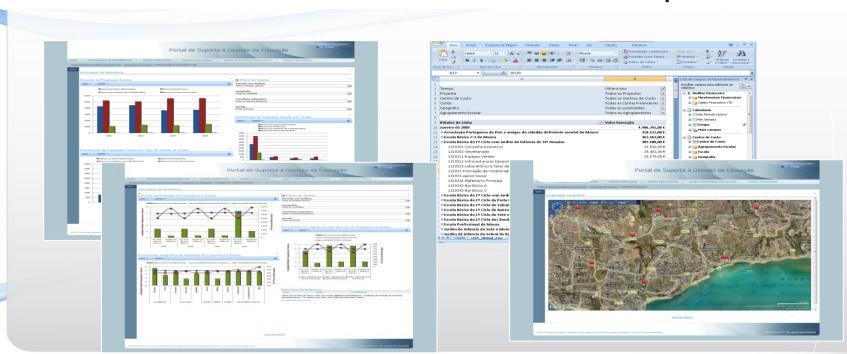


The Education BI - Scope



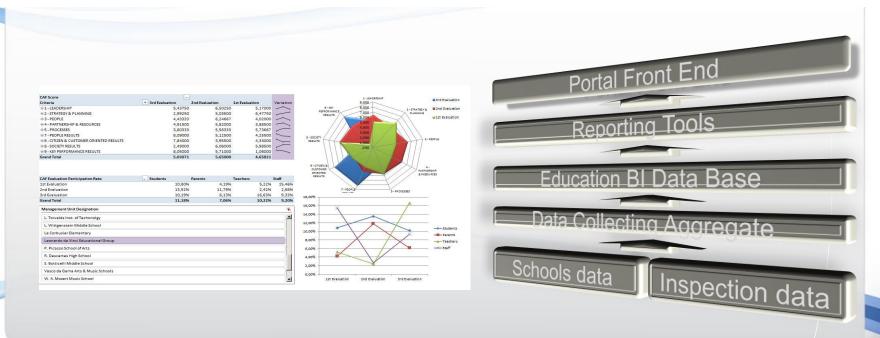


The Education BI – Data views and reports





The Education BI - Information Architecture





The QuantumCube Education Support Workflow

An application platform for managing the operational support processes delivered to Schools,
 Schools Clusters or any Education organization enabling the optimization of service quality and

Why the QuantumCube Education Support Workflow?

 To provide a centralized and shared information tool designed to optimize School Support Service Management.

Get improved Service response quality by managing critical workflows

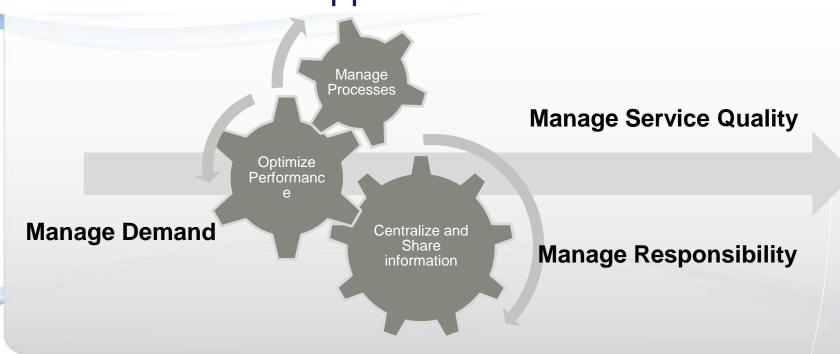
Ensure service Quality rating and Service Level
Agreements

Easily define and implement new Process templates

Enable access to Education Service Providers

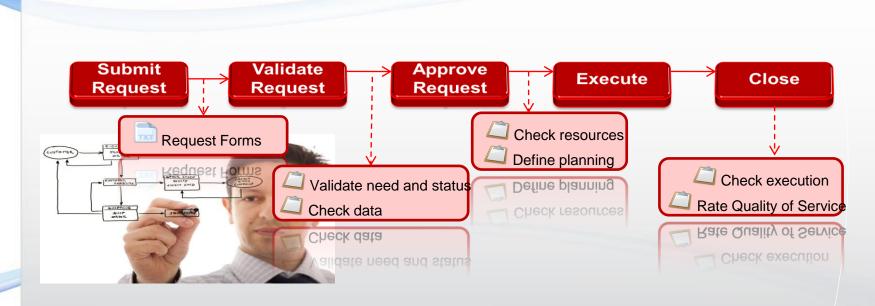


The Education Support Workflow





Managing Service, SLA's and Quality





The QuantumCube School Information System

An application platform for managing the operational School Information Processes delivered to Schools, Schools Clusters or any Education organization.

Why the QuantumCube School Information System?

 To provide a centralized and shared information set of integrated tools designed to optimize School Information Management.

Manage Students and Teachers information

Create and Manage
Courses and Classes

Manage Attendance and Resource allocation

Manage multiple information on Scores and Performance



The Solution Value

For Society

- Enable Adaptative and Social Learning;
- Ensure Competencies for life long learning;
- Achieve Social Inclusion through digital literacy.

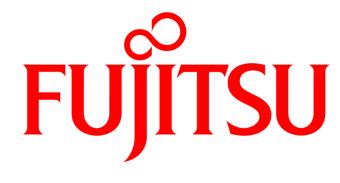
For Education

- Enable Education Strategy Business Intelligence;
- Get instant access to key information on Education;
- Provide standard Content Management ready to use tools;
- Optimize Communication in the Education Community
- Take full advantage of the Connected School Concept.

For Citizens

- Education Eco-System experience reflects non-school live (real world);
- Achieve better competitiveness on a global scale;
- Leverage equal opportunities for Education access.





shaping tomorrow with you