



SMART CITY ICT SOLUTIONS

towards a Knowledge Society



Smart Cities

Smart City - ICT strategy



Smart cities

The spirit of Austria and the Kingdom of Saudi Arabia - a guarantee for success!



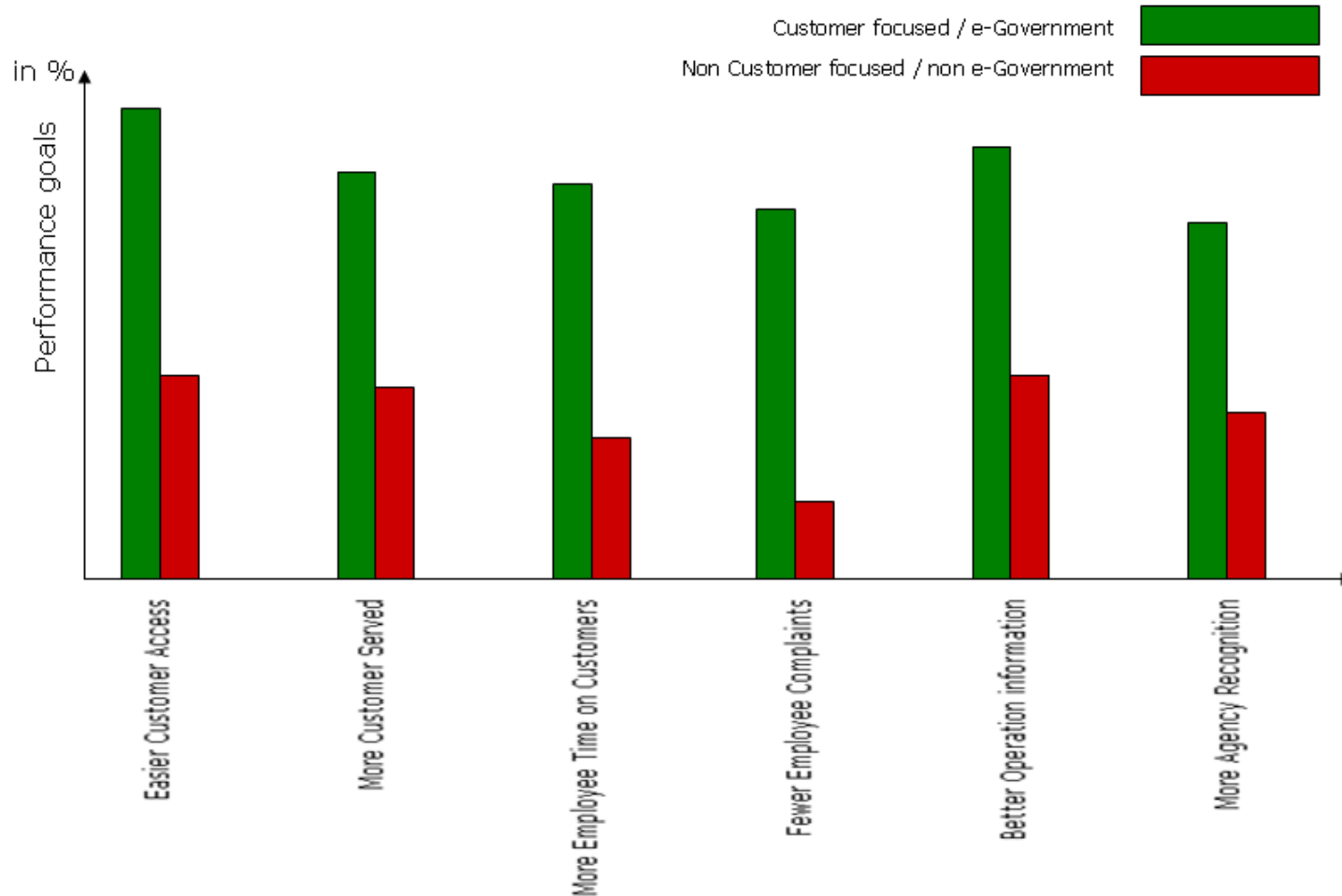
The right spirit creates the right technology

e-Government services

- e-Government has established itself worldwide as meaning of "**the administration of government by means of electronic technology**".
- It means the simplification of work routines and processes through the application of information and communication technologies in the areas of information administration, communication and transactions within and between state institutions as well as between the government and citizens or businesses.
- e-Government is classified into the following areas:
 - **Information:** Making information available online, for example, on the Web site of a public authority.
 - **Communication:** The ability to interactively access and exchange information.
 - **Transaction:** The actual carrying out of services, including the signing of application forms and electronic delivery of official documents and notifications.
- e-Government delivery models are **Government-to-Citizen, Government to Visitors** or **Government-to-Customer, Government-to-Business** and **Government-to-Government applications**.
- Modern information and communication technologies (ICT) make it possible for public authorities to offer "**old**" as well as introduce **new electronic services** over the Internet.

e-Government approach

A customer focused approach via e-Government services achieves much better performance in government organizations



Smart ICT strategies

ICT Supported Society & Government

- e-Government
- Convergence of Local Government and Local Development
- E-procurement
- ICT support for City Planning and Development
- Content and Culture
- Internet Access in and to libraries and knowledge bases
- Regulation

Research and Education

- ICT Research and Competence Center
- ICT- Training Program

ICT and Economy

- Smart City Development
- Telematics and Logistics
- Innovative Small and Medium Enterprises
- Monitoring and Data Processing for Oil Industries
- **Smart traffic control**

ICT Infrastructure

- Ubiquitous Broadband Access
- Emergency Mobile Telecommunications
- Network and Service Architecture for Quality of Life and Living
- Mobility Applications

Federal Republic of Austria

Area: 83 870.95 km²
 12 federal ministries
 9 provinces

Population: 8 174 733
 80 district administrations
 2359 municipalities



Business & People

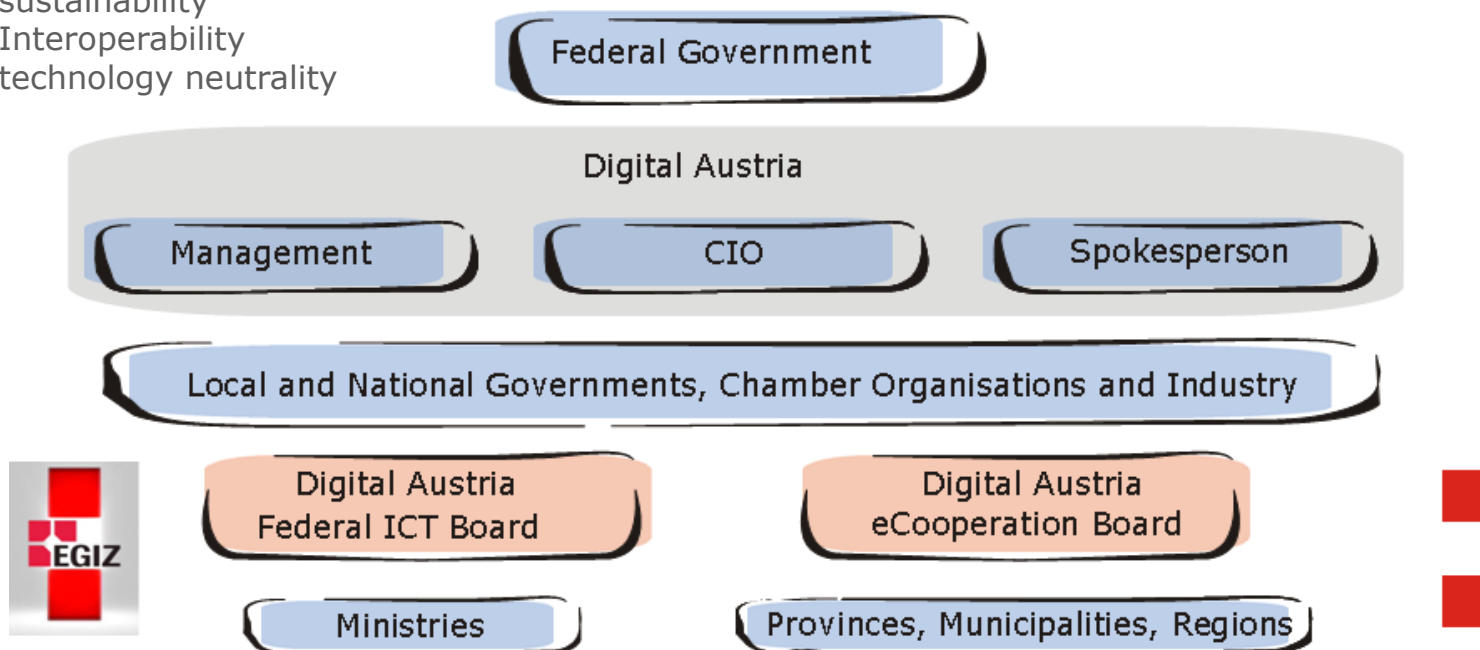
The right landscape produces good people



e-Government - organization

- e-Government in Austria is not a separate program but part of the government organization
- e-Government is backed by highest political level
- strength through coordination, cooperation and building up of experience and expertise in the government sector
- usage of state of the art technology
- citizen focuses
- trust and security
- privacy and data protection
- transparency and efficiency
- eInclusion / usability
- sustainability
- Interoperability
- technology neutrality

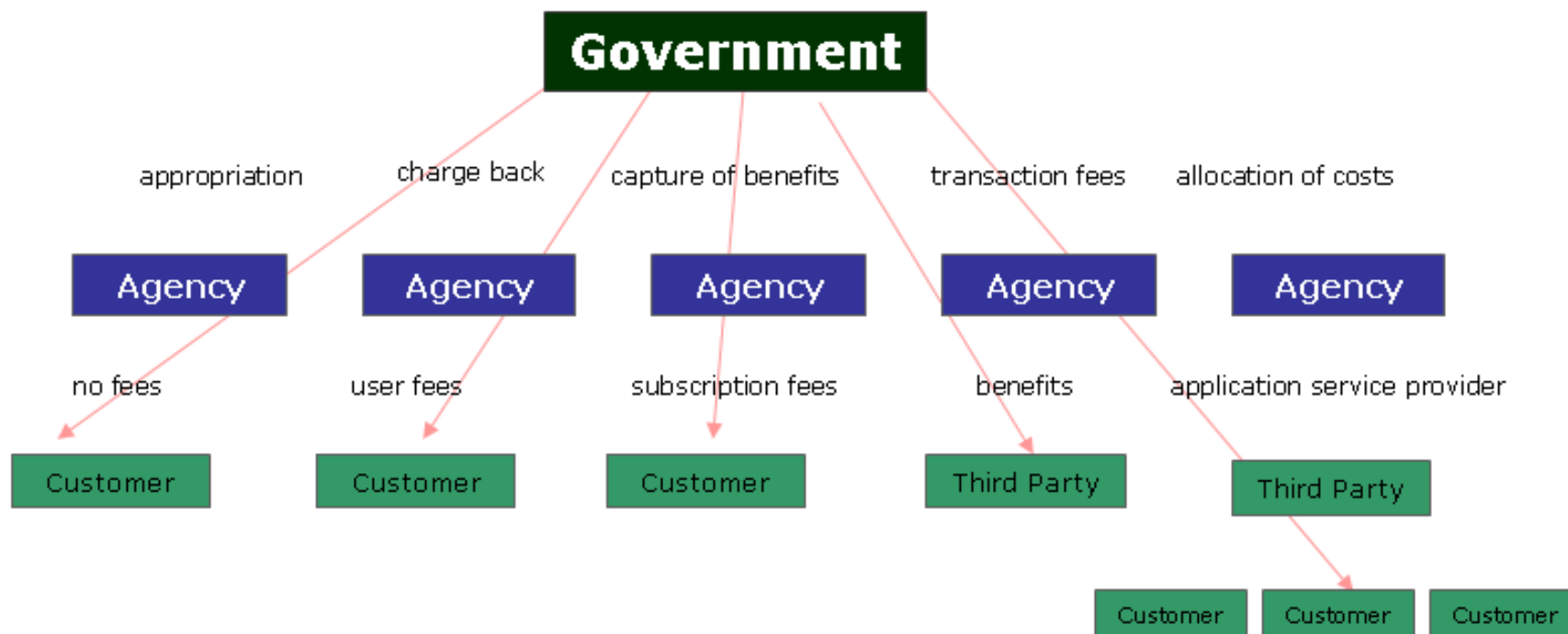
“ICT in the public sector is like a large vessel, it needs clear decisions quite ahead before real moves should be done.”



e-Government organization

Successful e-Government implementation requires:

- Using the expertise of the government bodies, including ministries, agencies, municipalities, etc.
- Build up experience and expertise in the government bodies
- Clear agreements and responsibilities between government agencies
- Clear structures for business processes and therefore e-Government services
- Clear structure on costs, on financing and service fees



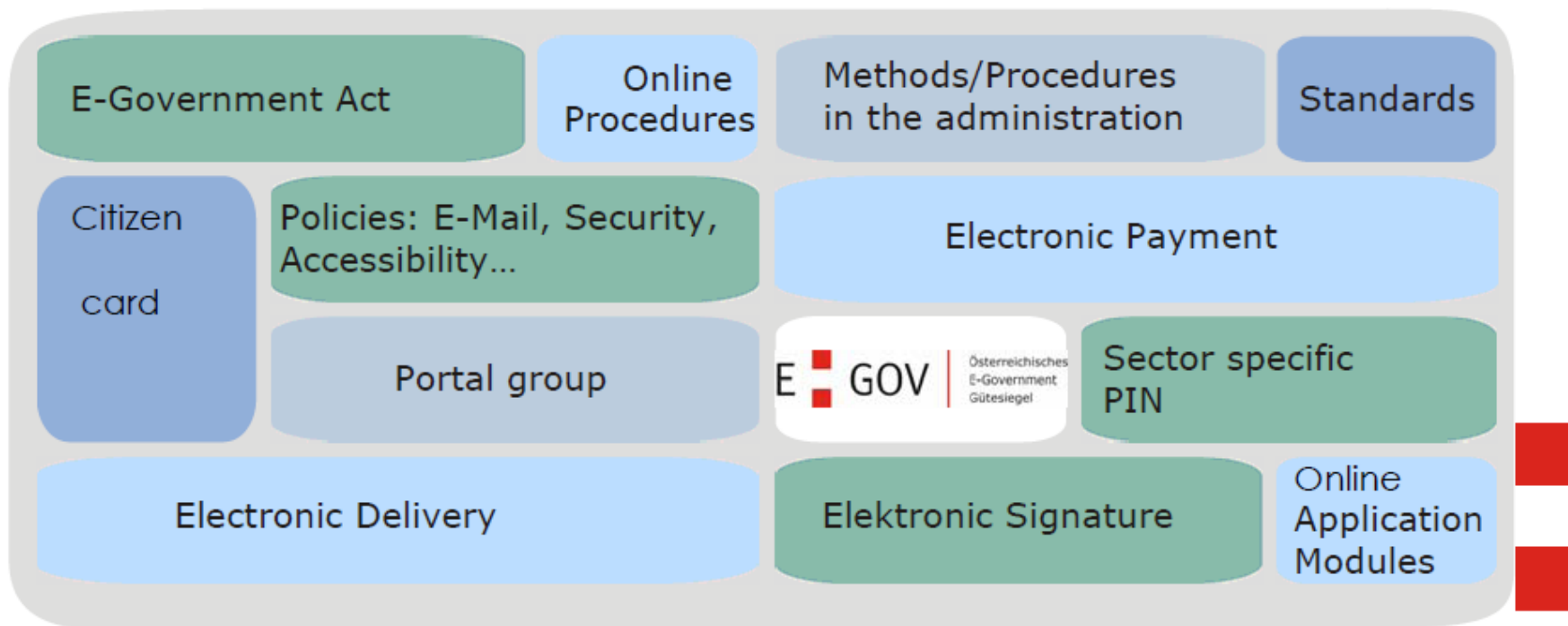
Values, history and future

Castles remind us on our royal days and values



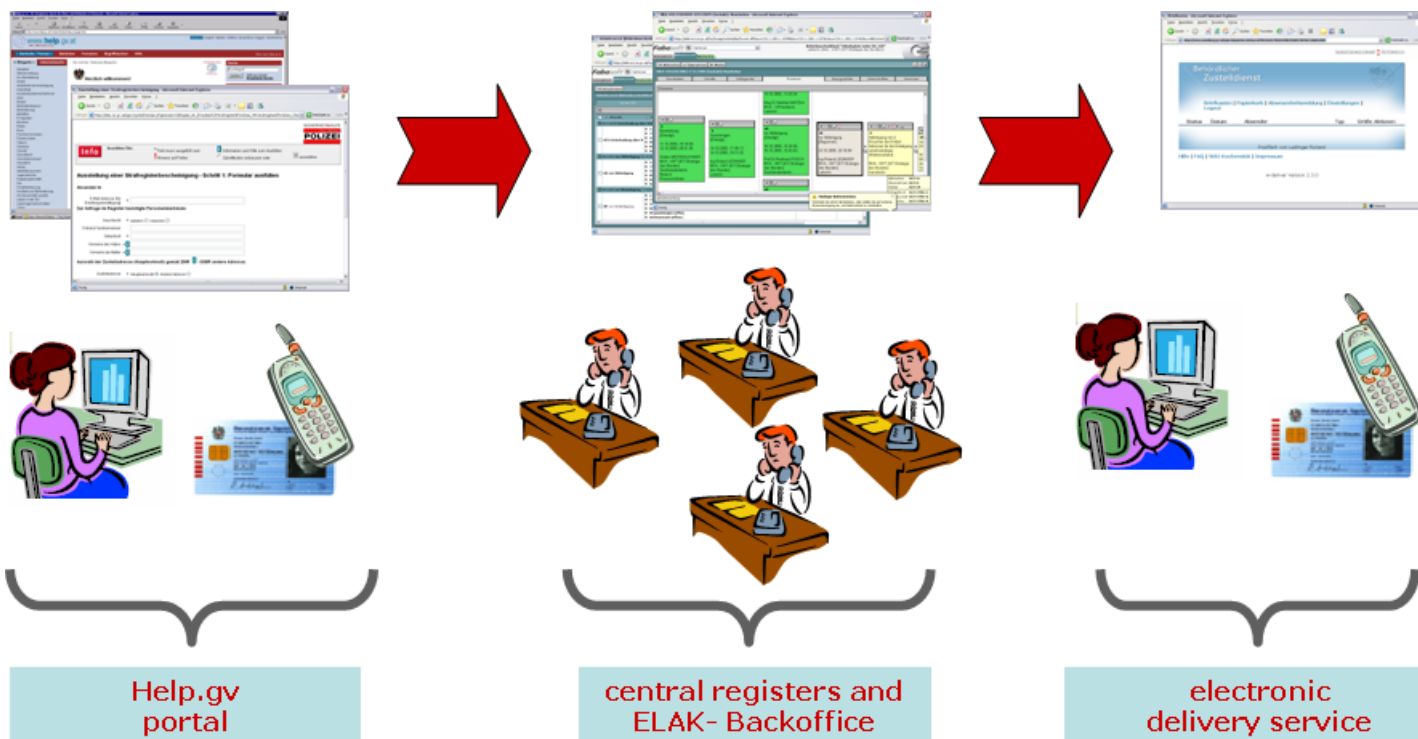
e-Government strategy

- Austria's ability to work its way up from the middle of the ranks to the top position in the EU within a short time was not just on the basis of ideas, team work and good cooperation.
- It was because of just as much to the fact that there had been the right strategy and a plan of action, in the form of a roadmap.
- The implementation of individual projects was carried out by various work groups based on experts chosen from across the country in different provinces, cities and communities as well as those from various business sectors, according to their interests and expertise.



e-Government service

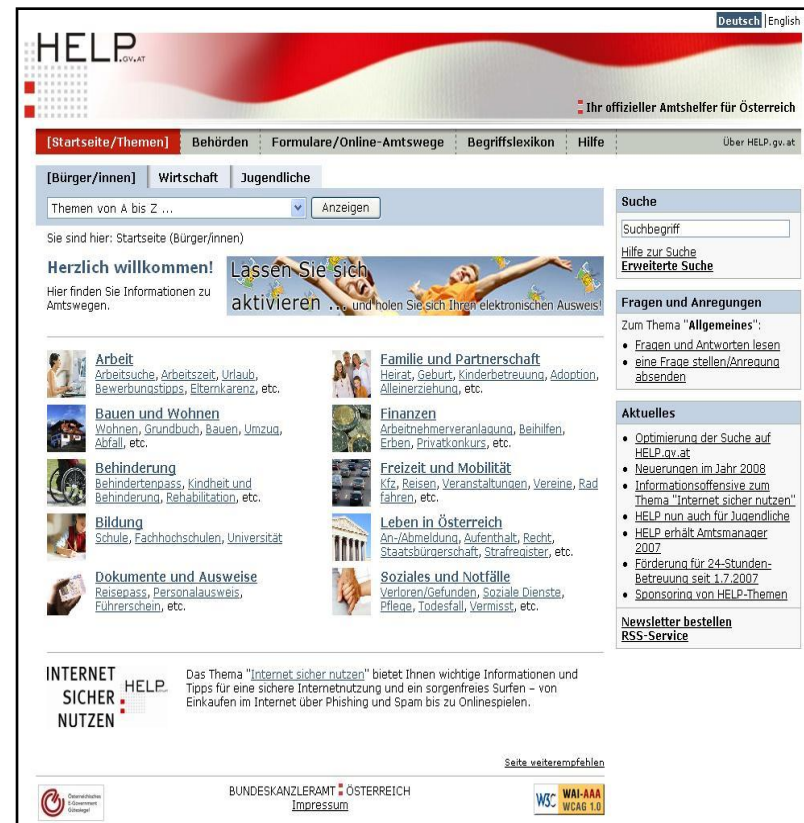
- For citizens, the step by step implementation of e-Government makes everyday life much easier. The inconvenience to be present in person at a public administration office will no longer be necessary since the majority of transactions will be done online.
- The step into the digital world for public authorities means that it will no longer be necessary to show up at the public authority in person during specified office hours. Important public authority business can be carried out with a few mouse clicks 24 hours a day, 7 days a week.



e-Government help portal

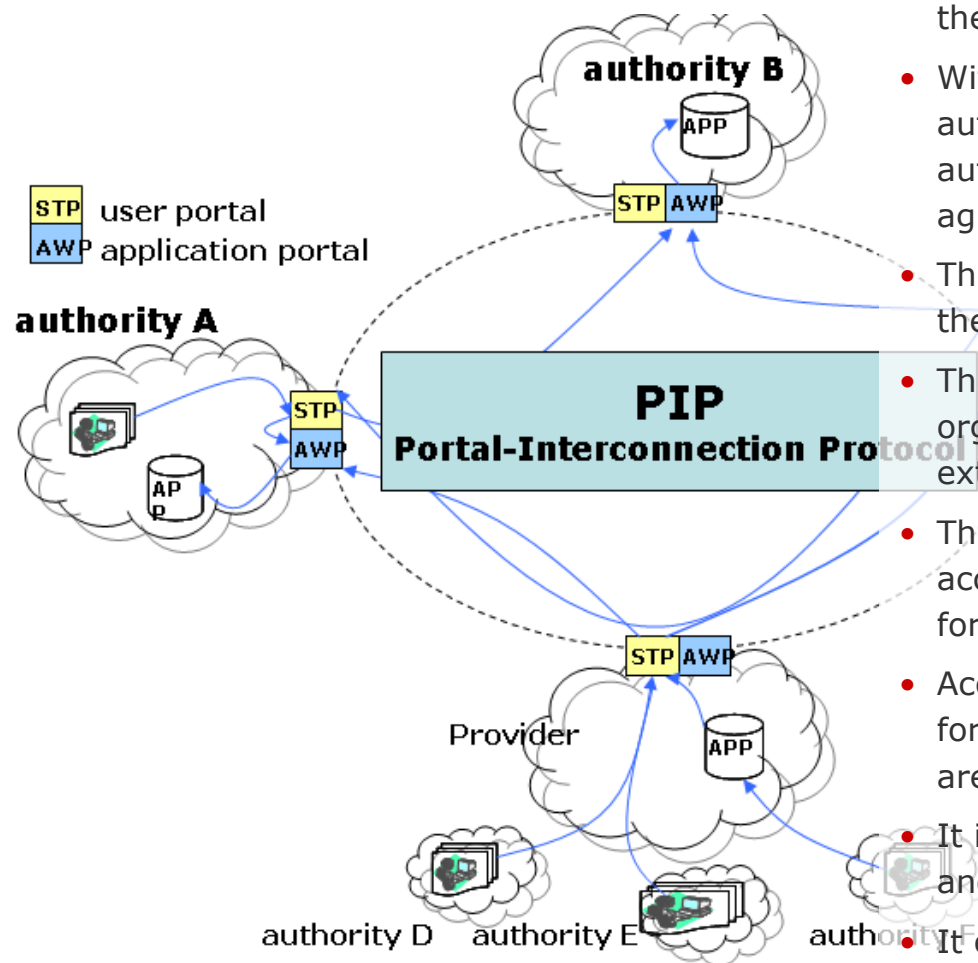
The first place for questions about public authorities or electronic e-Government services is the HELP.gv.at portal. www.help.gv.at

- Virtual guide on Austrian authorities since 1997
- ~ 200 Live Situations, > 350 online procedures, > 1.000 eForms
- Target Groups: Citizens, Enterprises, Visitors, Youth, People with special needs
- > 400.000 Users p.m.,
~ 1.000 Questions and Remarks p.m.
- ~ 200 Content Partner
- Winner of the eEurope Award 2003
- Public Multimedia Stations for free
- One-Stop-Shop (EU Service Directive)

The screenshot shows the HELP.gv.at website interface. At the top, there is a navigation bar with links for [Startseite/Themen], Behörden, Formulare/Online-Amtswege, Begrifflexikon, and Hilfe. Below this, there are tabs for [Bürger/innen], Wirtschaft, and Jugendliche. A search bar is visible on the right side. The main content area features a large banner with the text "Herzlich willkommen! Lassen Sie sich aktivieren..." and a list of service categories such as Arbeit, Bauen und Wohnen, Behinderung, Bildung, Dokumente und Ausweise, Familie und Partnerschaft, Finanzen, Freizeit und Mobilität, Leben in Österreich, and Soziales und Notfälle. On the right side, there are sections for "Suche", "Fragen und Anregungen", and "Aktuelles". At the bottom, there is a footer with the text "INTERNET SICHER NUTZEN" and "BUNDESKANZLERAMT ÖSTERREICH".

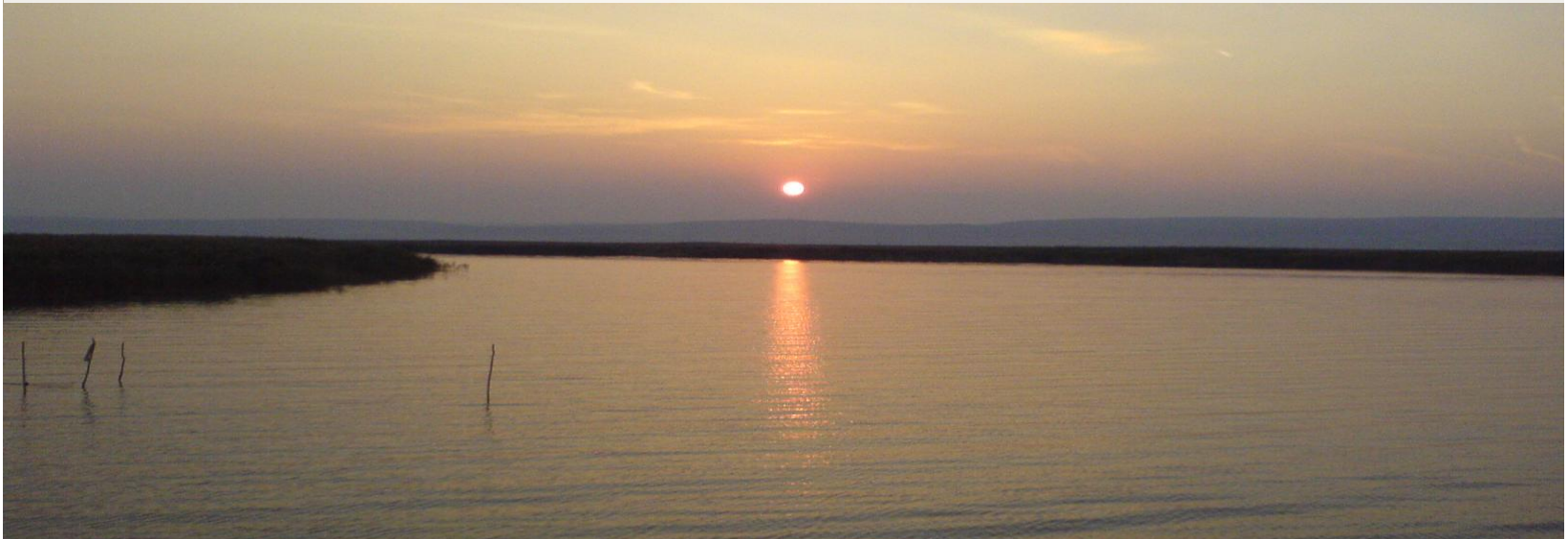
Austrian Portal Network



- The Austrian portal network is a central part of the Austrian e-government strategy
- Within the portal group, data applications from authorities can be made accessible to other authorities based on usage and security agreements.
- The Austrian Portal network collects data at the point of origin – agency or ministry
- The portal group system allows participating organizations to use their own systems to access external applications.
- The individual authority specifies access rights in accordance with the relevant statutory provisions for data protection.
- Access rights are granted to administrative units, for individual users within the units, access rights are specified in accordance to their responsibility.
- It is a network of trust with delegated identity and access management
- It controls nationwide access to legacy applications, e.g. different types of registers

Kingdom of Saudi Arabia & Austria

e-Government Services



The sun is shining here and there

20-09-06 10:17

Smart traffic topics

SIEMENS

Enabling mobility in large urban areas

- Smart city traffic solutions are important for quality of life in cities by reducing accidents, the rate of traffic jams and pollution.
- Smart city traffic applications offering also very economical and efficient solutions cope with ongoing increased traffic.

Personal mobility is a basic need and leads to increased individual traffic by car

- Last 50 years: Public transport dropped 70% to only 15% of total traffic volume
- In developing countries, the number of cars is rising five times faster than in industrialized countries.
- Cost of traffic congestion has measurable impact on economy (EUR-15: 1% of GDP)

Increase of traffic has severe impact on road safety & security

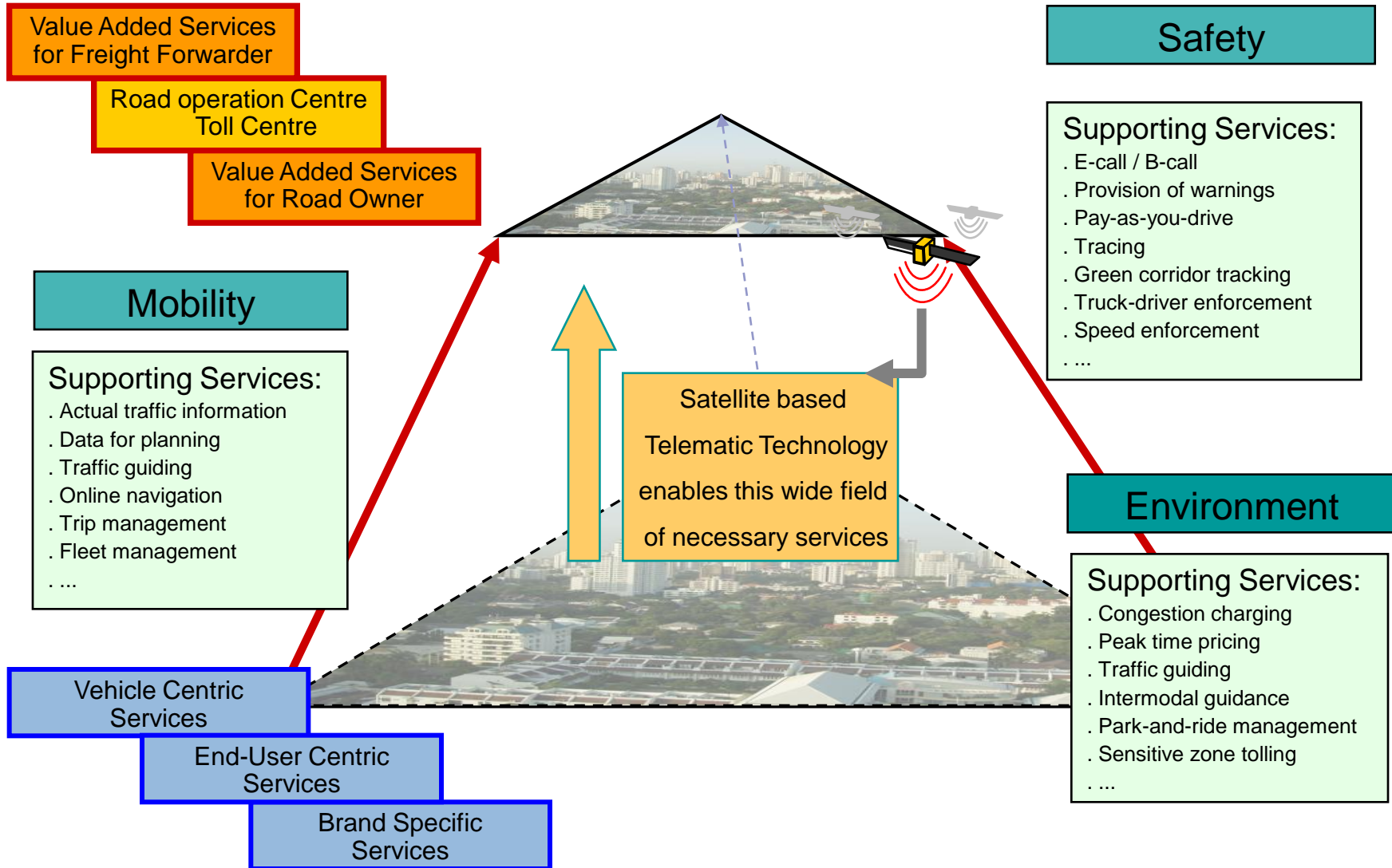
- Road accidents worldwide cause 1.2 million deaths (3.000 daily) and 50 million injuries
- Without remedial measures, these figures are projected to increase by 65 % in next 20 years

Increasing pollution caused by traffic has heavy effects on environment

- Transport-related activities are the second largest source of man-induced CO₂ production (26 %).
- Traffic jams and stop-and-go traffic causes significant more pollution than free flow

Smart City Telematic Solutions

SIEMENS



2MAS and 4C consult

4C consult

www.4C-consult.com

4C consult is a Central European Partner network, no thick reports and complicated diagrams, but offering its clients experience and expertise, focusing on insight, clarity and practical support.

Entrepreneurial Approach - Our success as entrepreneurial consulting firm is based on imagination, creativity and visions, the most important qualifications the new markets and the global economy demands.

Business Focus and Mission - 4C consult concentrates the consulting activities in the area of high tech, ICT and telecom. Growing a successful business takes much more than just great products and markets. 4C consult provides management expertise that helps you through the bumpy roads that lay ahead with an outside perspective to help you to create and implement solutions that really works.

Presence and Dedication - Our base, up to the extent that one can limit physically ideas and imagination, is in Europe, but our consulting activities are limited only by our enthusiasm. We have been exposed in our work, in our life and in our education to a great variety of experiences, ideas, management approaches, business practices and cultures to serve our clients with full dedication.

4C consult - partner:

- 2MAS integrated solutions www.2mas.com.sa
- Austrian Business Agency www.aba.gv.at/EN/default.aspx
- Research Studios Austria
www.researchstudio.at/home_en.html

2MAS integrated solutions

www.2MAS.com.sa

The company 2MAS integrated solutions is a Saudi government registered company, established in 2006, licensed for multi-business services and backed by the highest caliber of professionals. The company supporting customers and partners on a global basis with a strong emphasis on high tech with the market focus on Saudi Arabia and the Middle East.

We are committed to professional and creative work environment, characterized by transparency, openness, accountability and respect for all. Our goal is to serve with social and environmental responsibility to meet the long term interest of our clients.

Our broad range of services and products enable us to provide proven-best solutions and our engineering, operational, and construction knowledge allows us to plan all necessary steps across the full life cycle of a project and make 2MAS the premier choice for integrated solutions. Together with our partners we provide quality products including a complete range of services from consulting, business & project development up to construction work. We also develop, design and build state of the art turnkey solutions, which are key to the success of our clients.

Finally I can assure that we will continue to improve and develop the range of our integrated solutions based on our dedication to provide our services on high standards of quality and ethics as well as integrity in everything we do.

Sincerely Your

HRH Princess Madawi Al-Saud

President of the Board



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