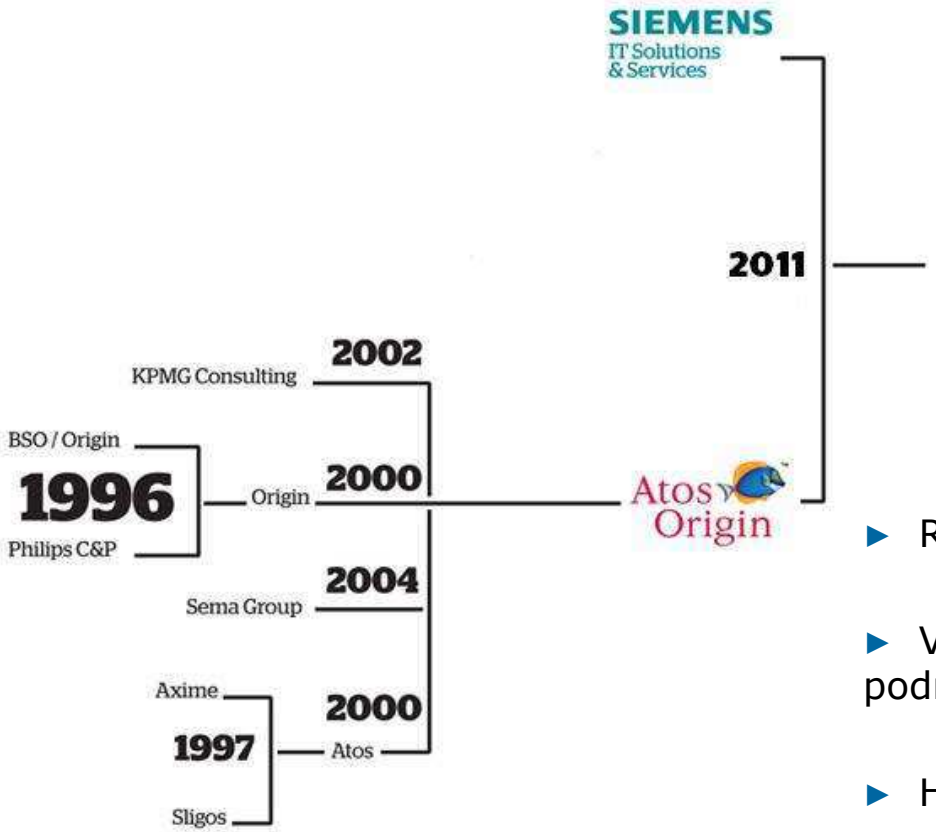
Atos Smart City

.. společnost řízená IT

Oldřich Kalina

ATOS IT Solutions and Services, s.r.o.

Vznik Atos



- Roční tržby ve výši €9,05 mld. 2014, +5,1% Y/Y
- Více než 90 000 business technologů v oblasti podnikových řešení v 52 zemích na celém světě
- Hlavní sídlo v Bezons / Paříž, Francie

Současná situace?

Digitalizace nás všechny ovlivňuje více než jsme si ochotni připustit. Má na nás dokonce větší vliv než samotný Internet. Nezůstat pozadu v tomto věku digitální ekonomie, podniky a vláda musí intenzivně začít pracovat ihned, aby v brzké budoucnosti nebyly překvapeni z toho co se stalo jejich nečinností.

"Do roku 2018, náš svět bude mnohem více propojen, je předpoklad 4.5 mld. chytrých telefonů, 2.5 mld. uživatelů sociálních sítí a více než 25 mld. propojených objektů."

Digitální síla Businessu.

Digitální Transformace

MyCity od Atosu

…stává se ústředním tématem diskusí změny měst v současné technologicky složité době…

- ✓ další krok k větší efektivnosti procesů měst
- ✓ šetří peníze
- ✓ mění navyklé řády občanů měst
- ✓ inspiruje k inovacím
- ✓ podporuje k vyšším výkonům
- ✓ zvyšuje konkurenceschopnost

Snažíme se vytvářet město, které je OPĚT zaměřeno na občana.

MyCity

Vytváříme město podle současných potřeb

- Velká města jsou dnes extrémně složitá na řízení
- Populace měst roste – zvyšování efektivnosti fungování
- Vedení měst musí přicházet s novými nápady řízení
- Společnost Atos nabízí integrovaná řešení přinášející pomoc
  - městu
  - občanům

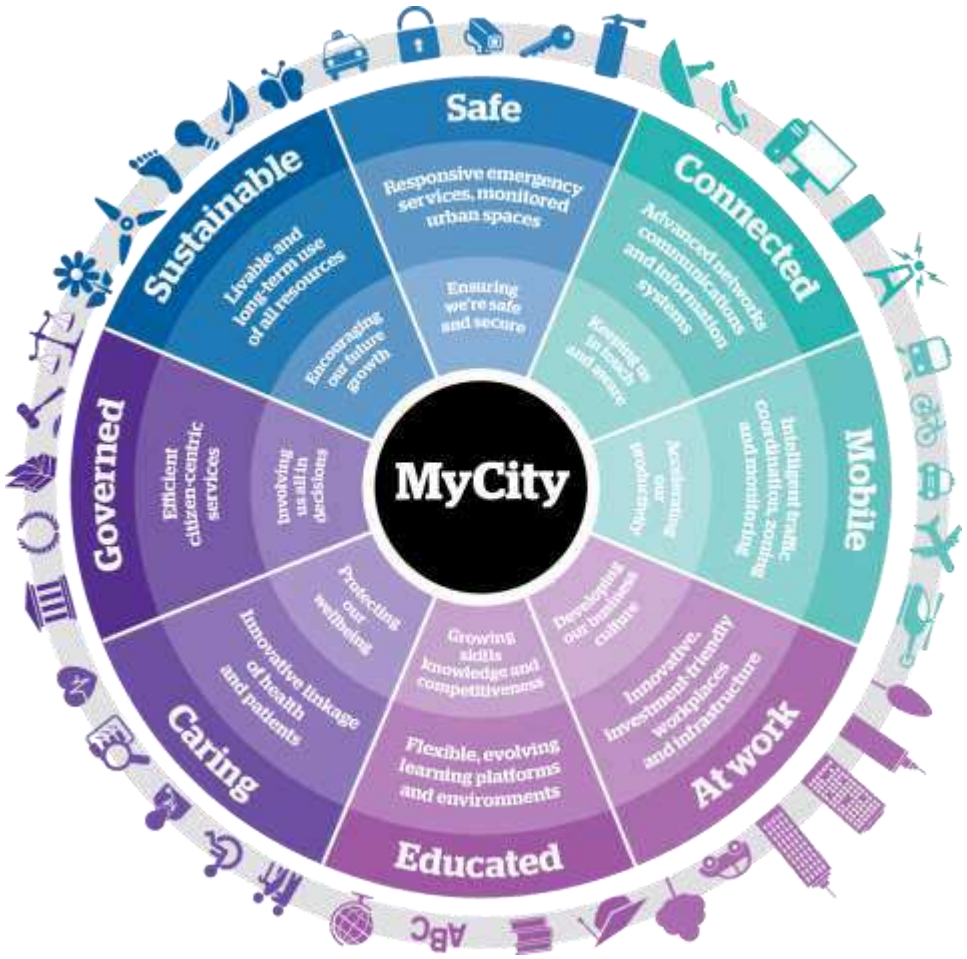
Transformace služeb občanům

Od nástěnky ke spolupráci

- Občané chtějí být více zapojeni do rozhodování
- Zapojený občan - vyšší efektivnost
- Atos je expertem na moderní technologie umožňující vyšší zapojení občanů

MyCity, krok za krokem

Atos



- Pohlížením na město jako celek nám pomáhá:
  - Identifikovat problémy
  - Propojovat jednotlivé úlohy (a řídící části)
  - Nastavovat priority
  - Připravovat řešení (dlouhodobá a krátkodobá)
  - Přicházet s inovacemi
- Vytváříme město, které je
  - Bezpečné
  - Propojené
  - Mobilní
  - Kde se dobře pracuje
  - Vzdělané
  - Které se stará
  - Dobře řízené
  - Udržitelné

MyCity od společnosti Atos

Portfolio produktů

Governed	Connected	Mobile	Educated	Caring	At work	Safe	Sustainable
Social Security	e-Services	(m)Parking	Digital learning platform	e-Healthcare	Community Engagement model	Control & Command	Data Center Solutions
City Cards	Tax	Journey Management	Edu - media	Patient record management	Innovation@work	Courts	Workplace solutions
City Cockpit	Smart Mobility	e-Ticketing	DCM libraries	e-Card		Traffic Offense Management	Digital Archiving
Big Data / Data analytics	Collaboration	Tolling	ENT	Communication / Collaboration		Biometric Solutions	Low emission zoning
City Cloud		i-Cargo		Social Benefit payment cards		e-ID	Smart Grid
City ERP		Traffic Forecasting				RFID triage	e-Vehicles
iBabs							Calculation model for Energy Transition

Cloud Solutions	Government Business IT Solutions				ERP	Application Management and Hosting	Test and Acceptance Management
	Secure Archive	Adaptive Workplace	Information Security	ECM			

Příklady realizací Atos MyCity ve světě

MyCity from Atos

City Cockpit

bism@rt

bigov

Cities specialized Business Intelligence solution

bigov Cockpit
Scorecard specialized in Municipalities

bigov OpenData
Open data can be reused to generate services and to deliver a better service to the public

bigov Transparency
Budget tracking Observatory & Better City Indicators

MyCity from Atos

City Cockpit

MyCity from Atos

City Cockpit

bism@rt

bigov OpenData

Barcelona City Council has deployed a Bismart solution which transforms certain information, previously only accessible at a corporative level, into open data information. This means it is open to the public and can be turned it into **an asset for new business creation and promotion**

- Economic and innovation promotion
- Increased transparency
- Universal access to data
- Ordering and structuring the Administration information

Case Study Barcelona Open Data: http://opendata.bcn.cat/opendata/en

MyCity from Atos

City Cockpit

bism@rt
Power your business

bigov Transparency

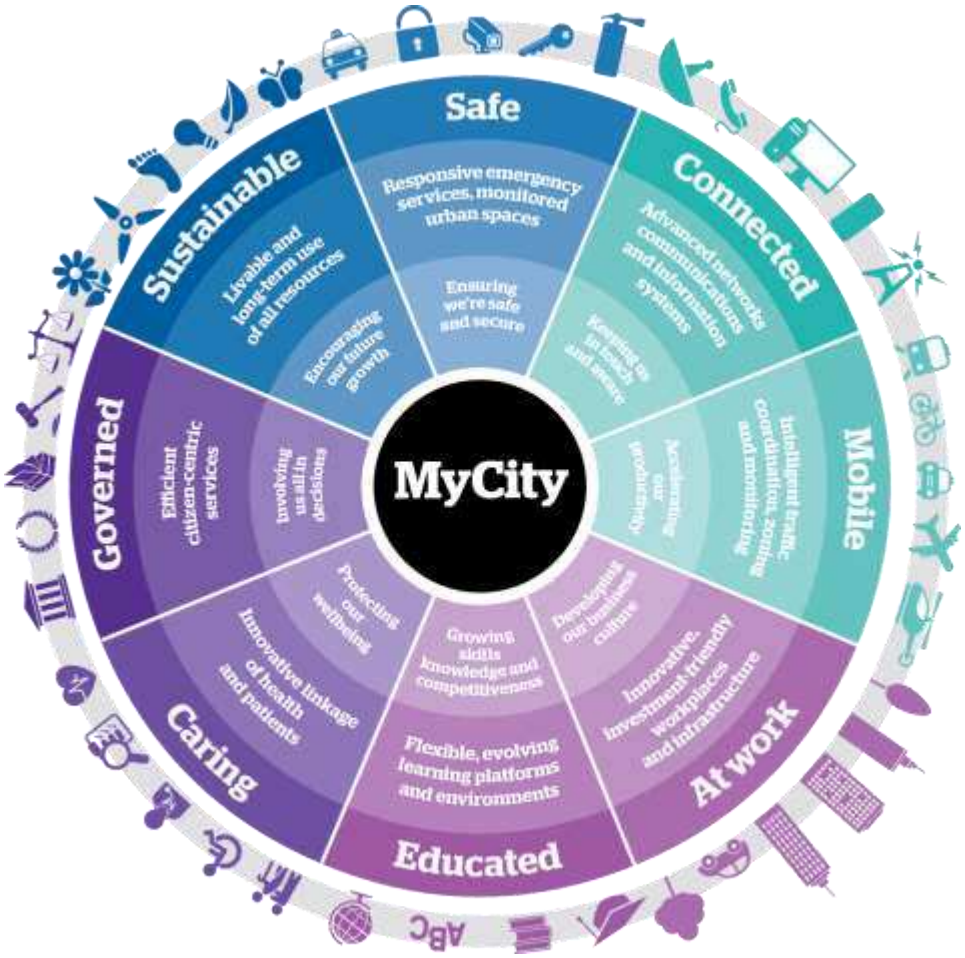
Government Insight and Accountability. Clarity in government plan implementation reusing information and becoming a more open and transparent government

Knowing at all times exactly
- WHAT the City Council is doing with public money
- HOW it manages the budget
- WHICH companies it is contracting
- HOW MUCH elected officials earn
- and various other financial data of interest

Case Study Terrassa Transparency: http://transparencia.terrassa.cat

MyCity

15/04/2015



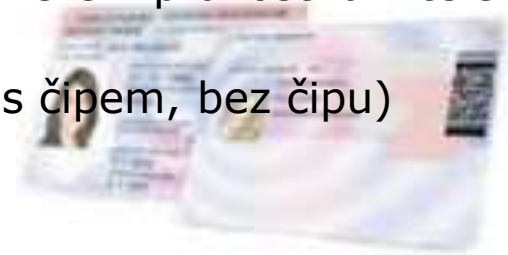
15/04/2015

Elektronické občanské průkazy v ČR
od 1. ledna 2012 podle zákona č. 328/199 Sb.

- **Rozšíření systému pro biometrické pasy a povolení k pobytu**
  - jednotný systém pro všechny elektronické doklady
  - využití stávající infrastruktury
  - využití centrálních evidencí MV
  - univerzálnost přepážek obecních úřadů

- **Možná vstupenka pro přístup občana k eGovernmentu** a ISZR od 1. července 2012

- **Různé úrovně autentizace pro různé agendy:**
  - Standardní základní čitelné tištěné údaje – přístupné každému
  - MRZ kód a/nebo 2D kód – přístupné pro načtení do čteček, automatů,…
  - Číslo eOP + zadání BOKu (PINu občana) – silnější ověření pravosti držitele (prokázání znalosti)
    - dostupné zdarma pro každou OP (staré, nové, s čipem, bez čipu)
  - Osobní certifikát na čipu – silná autentizace



15/04/2015

Smart Mobility Solutions, Barcelona

Enabling citizens to access services more easily through mobile platforms

Business challenges

- Achieve cost savings, efficiency and operational improvements
- Drive new revenue opportunities
- Respond more quickly to market demands

Solutions

- Atos Enterprise Mobility for employees delivers:
  - Capabilities and experience
  - MEAP / Mobile Middleware for integration with existing systems
  - Apps development and testing
  - Mobile Apps Management: Atos MyMarket
  - Mobile Device Management

Benefits

- Greater employee productivity through mobile flexibility
- More efficient operation with Executive Dashboard to monitor progress
- Opportunities to support new digital revenue streams
- Faster delivery of customer and citizen services
- Improved brand image with potential hires and the markets.

Cities these solutions are live in:

- **Barcelona**

BACK

15/04/2015

London 2012 Olympic Games, UK

Security and flexibility through digital tools, data and identity management

High performance security for a high profile global event

250,000 access accreditations

Secure and flawless results service

Hundreds of thousands of potential security risks monitored every day

24/7 operational, security trained Olympic IT team.

"With the support of Atos, the London 2012 Olympic Games IT system was successfully designed, built and operated so that the competition results could be viewed and read by more people than ever before."

Jacques Rogge, *President of the International Olympic Committee*

Business challenge

- Achieve highest levels of IT and access security under the world's gaze
- Deliver secure and flawless services over the Games network
- Combat cyber and identity threats

Solutions

- Security is central to Atos' role as official Worldwide IT Partner of the International Olympic Committee and the International Paralympic Committee
- Atos monitored hundreds of thousands of IT security events each day, instantly sifting benign anomalies from potential real threats
- IT Security Architecture separates the Games network and the Internet
- Proven security mechanisms were implemented, such as anti-virus software, port security, and the Intrusion Detection System
- All Olympic IT team members were trained in security policies and procedures, and the team is operational 24/7 to respond to incidents

Benefits

- More than 250,000 secure accreditations for the Olympic family
- 30 percent more competition data processed for media, without a hitch
- Real-time results and data from all 26 Olympic sports delivered securely to worldwide broadcasters.

BACK

15/04/2015

Automatic fare collection system

Smoother, easier journeys for passengers across all transport types

Business challenge

- Enable seamless cooperation between passenger transport operators
- Improve fare collection and management back office processes
- Make ticketing more convenient for passengers
- Support multimodal operations and multi-operator business models

Solutions

- Turnkey contactless card-based automatic fare collection for buses and metro
- Turnkey back office solution, including clearing house for contactless cards
- Integration of Fleet Management application
- Clearing house operation, including a disaster recovery center

Benefits

- Multimodal fare system simplifies cooperation and revenue split between transport companies
- Transparent cash flow helps determine ticket tariffs
- Contactless cards are attractive ticket options for passengers
- Centralized maintenance processes make operations more cost efficient.

BACK

German Federal Employment Agency

Digital dashboarding and trend analysis to identify opportunities

15/04/2015

Bundesagentur für Arbeit

The Federal Employment Agency (Bundesagentur für Arbeit - BA) is the largest provider of labour market services in Germany.

It has a network of more than 700 agencies and branch offices nationwide. Its most important tasks are job and training placement, career counselling and providing benefits replacing employment income such as unemployment benefit and insolvency payments.

The Family Benefits Office (Familienkasse), which provides child benefit, is also part of the Federal Employment Agency.

Business challenges

- Consolidate data from over 80 internal and external sources
- Process 20 terabytes of data for direct access
- Compile and provide hundreds of KPIs monthly
- Design and implement executive information system for business performance management

Solution

- Solution based on tool suites from Business Objects, MicroStrategy and Microsoft
- Monthly provisioning of data to more than 14,000 users
- Consulting for business planning and target agreement process for KPIs
- Concept and integration of a solution for the annual budgeting process
- Innovative executive information cockpit

Benefits

- Improvements of reporting and analysis quality
- Business impact and costs of business programs and labor market policy measures become traceable
- Provision of management instruments for the governance of local units and for outcome-oriented controlling based on biographical customer data
- Improving effectiveness and efficiency
- Cost reduction

BACK

15/04/2015

Atos SK e-Learning history

- **2008 – 2009** Atos Slovakia delivered infrastructure for Data center of Ministry of Education. This delivery included also some application parts, which were base for next cooperation in the area of digital learning.

- **2012** First e-Learning project **– Planet of knowledge** consisting from delivery of the **Learning Management System Ypeach** developed by Agemsoft and delivery of **digital learning content for primary and secondary schools** for educational subjects: Mathematics, Physics, Biology, Chemistry, Nature Science. Finnacial resource: SK State budget

- **2013** LMS and Digital learning objects for **SIOV (SIoVE State iInstitute of Vocational Education)** Detailed information is main topic of this presentation). Financial resource : EU funds

15/04/2015

eCard Austria

Enabling access of healthcare resources through a single digital solution

Business challenge

- Improve user entitlement management
- Make it possible to share rich information securely, to improve patient care
- Enhance the efficiency of commissioning and payments

Solutions

- Atos smart card solution is available to all Austrian citizens
- Insured citizens have instant access to all key healthcare resources
- 12,000 doctors, many thousands of dentists, opticians and pharmacies and out-patient centers also have access

Benefits

- The solution is comprehensive and successful
- It provides support to healthcare professionals as well as citizens.

BACK

15/04/2015

City Cockpit

A simple digital tool to understand city service usage

KPI reporting
Transparency reporting
OpenData support

To be updated with Bismart info

BACK

15/04/2015

City of Glasgow

Creating Low Emissions Zones to drive more sustainable city center

EU and Kyoto clean air directives leave no room for complacency

Cities cause 80%+ of CO2 emissions worldwide.

Particulate matter leads to an estimated 348,000 premature deaths a year in Europe.

National governments, cities and towns can incur heavy financial penalties from the European Court of Justice if they are not seen to improve air quality

Atos delivers LEZ as a service to provide a solution. LEZ needs no IT infrastructure to be purchased – the solution is entirely hosted and operated by Atos.

All you need is a web-browser and an Internet connection.

Business challenge

- EU and Kyoto clean air directives demand new levels of emission standards
- Cities like Glasgow account for over 80% of CO2 emissions worldwide so are under close scrutiny
- They have to improve a record where major air pollutants from vehicle emissions lead to some 348,000 premature deaths annually in Europe

Solutions

- Atos Low Emission Zone (LEZ) is a fully hosted and proven traffic pollution management solution
- Highly scalable and cost effective, it uses visually unobtrusive roadside equipment to detect vehicle license plates, and monitors air quality
- Communication to the hosted enforcement and back-office system is via highly secure and encrypted techniques
- Web portals allow customer access to key performance data

Benefits

- ANPR cameras are quickly and easily installed on existing traffic signals
- 3G connectivity with data center
- Cloud-based IT infrastructure to support operations 24/7
- Secure hosting in Tier-III + data center.

BACK

15/04/2015

Austrian State Archives

Digital Archiving to enable key documents to be more sustainably stored

ÖSTERREICHISCHES STAATSARCHIV

Business challenge

- Digitise documents contained in one of the world's most important archives, containing invaluable European cultural assets
- Ensure the content is safe and the project is cost effective
- Complete the project quickly to minimize disrupted access to documents

Solutions

- Atos provides Java-like SDB software , based on a solution originally developed by NASA Open Archival Information System (OAIS) reference model
- Digitization carried out at Atos's high-security data center in Vienna, with a back up data center
- Atos partners with UK archive specialists, Tessella

Benefits

- The project was completed successfully within the 12 months committed, on budget
- Content safety requirements were met throughout and not a single document was lost.

BACK

Od vašeho města k... MyCity

15/04/2015

- Budoucnost světa je o městech a občanech měst
- Města jsou více závislá na občanech při vytváření příležitostí , podpory a fungování
- To znamená větší efektivnost a propojenost
- Integrovaná digitální služba nám umožní uzavřít kruh – dodat efektivní službu a zapojit občany
- Nehovořme o městě
- Hovořme o mém městě - 'MyCity'

Děkuji za pozornost

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