



Corporate overview
Operating skills
Intelligent Transport Systems (ITS)
Value-added ITS Services
Conclusions



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A leading motorway company



Over 35 years of experience

Pioneer in electronic toll collection systems

48% market share in Portugal (km)

Portugal	%	km
Main concession	100%	1106
Brisal concession	70 %	92
Atlantico concession	50 %	170
International	%	km
CCR (Brasil)	18%	1452
Abertis (Spain)	1%	1570
KTS (Austria)*	26%	929
Norwest Parkway Colorado (USA)	90%	18

^{5&}lt;sup>th</sup> largest Portuguese company

7% weight in PSI 20 index

Market cap around 6 bn€

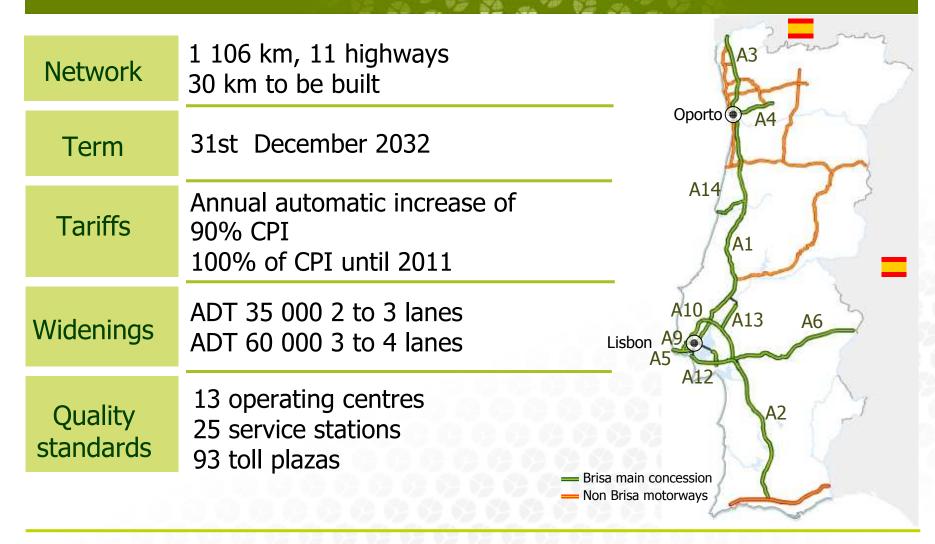


The backbone of the Portuguese road system

^{*} ETC operation for HGV in the Check Republic

Main concession contract





A clear & stable contract with the State



Corporate overview

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Operating skills



- Construction management
- Safety and maintenance
- Customer relations
- Traffic management
- Tolling



Intensity of operations



Daily average

- 22 million of vehicle x km
- (550k + 350k) x 2 toll transactions
- 26,000 km of surveillance
- 2,000 hotline calls
- 1,600 personal contacts (shops)
- 264 events (road incidences)

2006 yearly figures

- 96,187 incidences (9,727 accidents)
- 15,326 road work incidences
- 496,130 km of road patrols



Intensity of operations (Events 2006)



Appidont	Accident	4972
Accident	Incident	3909
Assistance	Assistance	6583
	Mechanical assistance	7971
Aid and protection	Dead animals	2535
	Live animals	1259
	Objects on road	5776
	Counter-flow	85
	Burning car	144
	Protection to queue end	59
	Abandoned vehicle	1114
	Slow motion vehicle	162
	Vehicle stop on hard shoulder	25148
	Vehicle stopped on lane	1823
Others	Vandalism acts	154
	Walking people	220
	Special transportations	54
	Unauthorized vehicles	52
	Drainage problems	29
	External fire	345
	Adverse meteorological conditions	267
	Complaints	1174

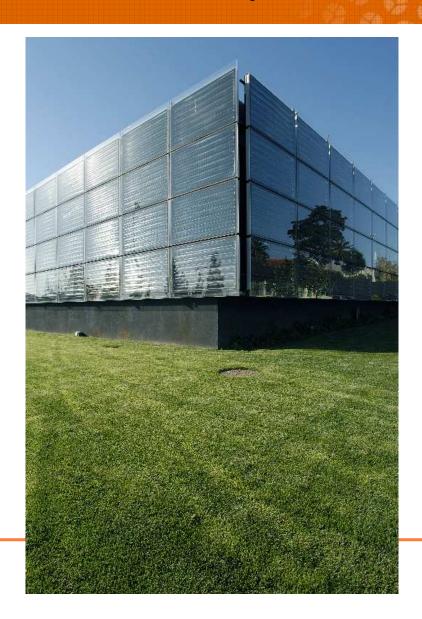
Regional Operation Centres





Centre for Operations Coordination





7x24h

7 operators @ full load

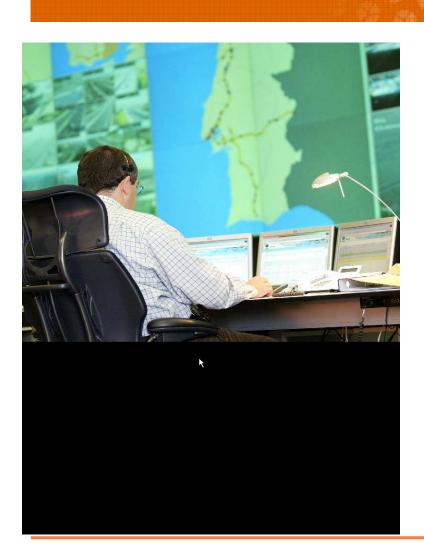
Hotline for assistance and information: 808 508 508

Toll operations remote control

Coordination with other authorities

Operations Coordination





Customer care (SOS boxes, hotline)

Management of response plans (accidents, road works, mechanical assistance, aid and protection)

Coordination of response plans (road assistance fleet, traffic police, fire brigades, car removals)

Video surveillance of the whole network

Safety and mobility information and alerts (PMV, Brisa web site, press)

Centralized Coordination of Operations























Corporate overview Operations skills

Intelligent Transport Systems (ITS)

Value-Added ITS Services

Intelligent Transport Systems



The application of Information and Communication
Technologies (ICT) in the fields of traffic control, management and toll charging, is widely generalized through the Intelligent Transportation
Systems (ITS) that integrate the physical infrastructure and vehicles.



Via Verde — Electronic Toll Collections



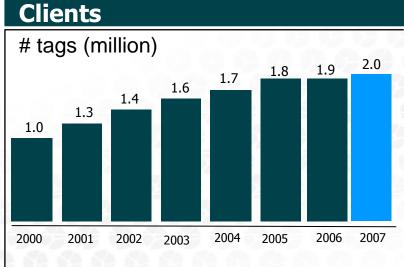
Increasing automation

Figures

- 2 million clients
- 46 parking lots
- 97 gas stations
- 4 historical zones access control
- Street parking in April.07

International recognition:
2 IBTTA Excellence Awards





Traffic and Tolling ITS Components



Detection and Control









Tolling and Enforcement









Customer assistance







Information









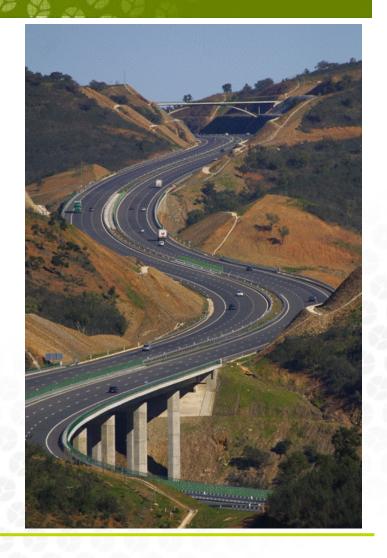
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Value-added ITS services



The efficient use of ITS resources depends on the overall information and communications architecture that enables the optimal use of technology, data and services available across the variety of ITS applications and systems.

- 1. Safety and security
- 2. Efficiency
- 3. Environment



ITS for safety and security



- Automatic incident detection and response planning
- Detecting hazards on the road ahead and alert drivers
 - through the infrastructure devices (variable message signs)
 - through a multi-channel platform (radio broadcast, SMS, ...)
- Implementing eCall the pan-European in-vehicle emergency call system
- Protect drivers, travellers and goods



ITS for efficiency



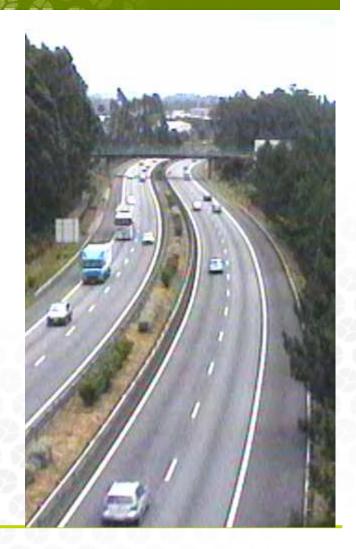
- Traffic and incident detection
- Real-time traffic information services
- Ramp metering solutions
- Traffic information exchange with traffic operators, authorities, service providers and drivers – DATEX Protocol
- Vehicle-infrastructure communication to warning drivers of congestion and accidents
- Route guidance services



ITS for environment



- Improve the efficiency of passengers and goods
- Traffic smoothness and ease congestion
- Route guidance and specific information on traffic conditions forecasts





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- Efficient use of ITS resources depends on an ICT Architecture that enables the efficient use of technology, information and, increasingly services available across the variety of ITS applications and systems.
- 2. Value-added ITS services focus on real-time cooperation between driver, car and infrastructure to promote safety, security, efficiency and reduce environmental impact.
- 3. Brisa is an international pioneer in the use of technological solutions and prepares the future with a wide vision for value-added ITS services with benefits for all.

