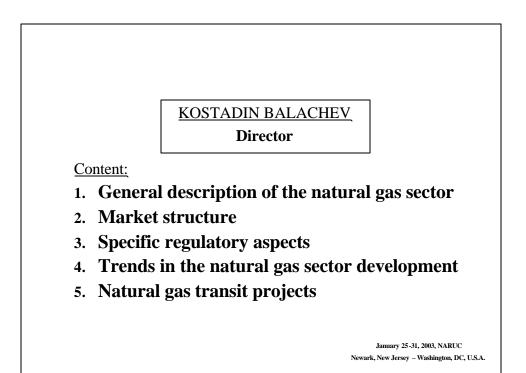
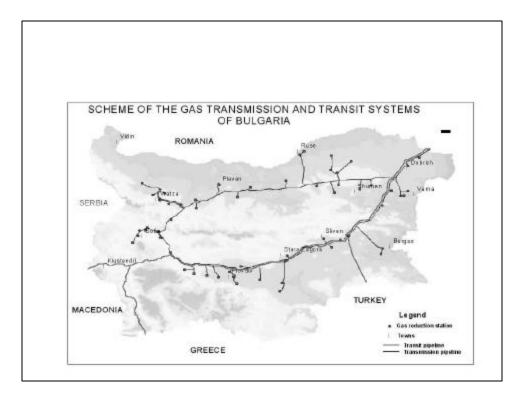
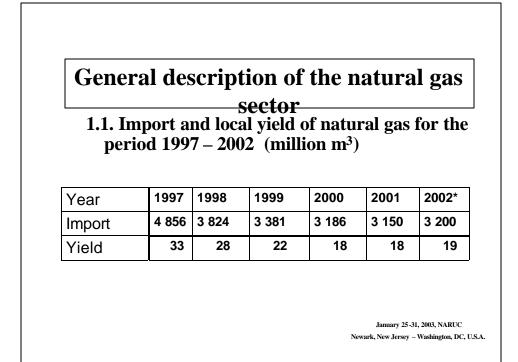
#### Natural gas distribution networks in Bulgaria

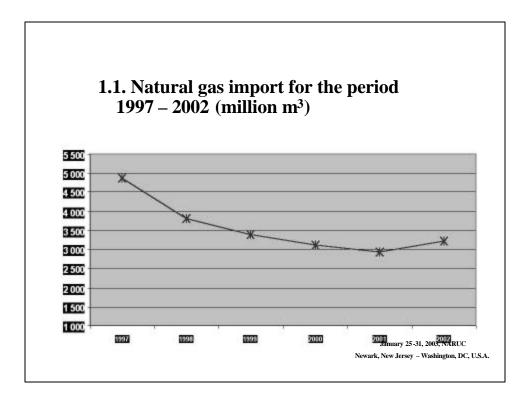


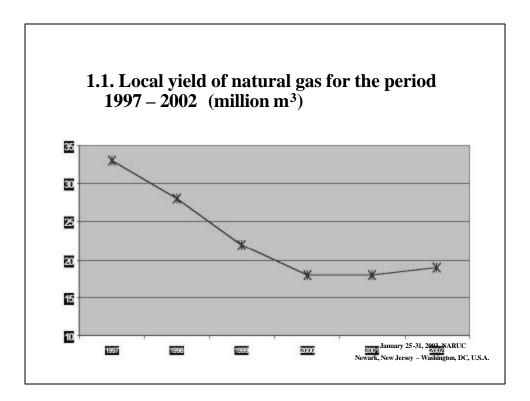
## 1.General description of the natural gas sector

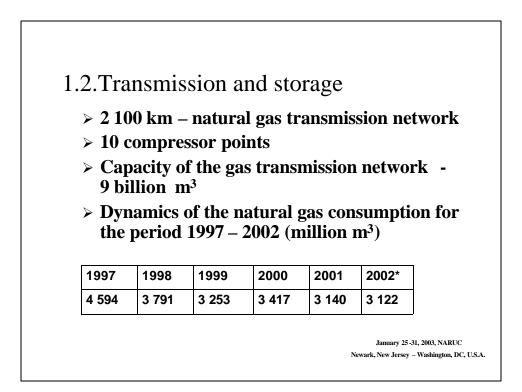
- > Pipelines and deviations 3 060 km
- > 10 compressor points 190 MW full capacity
- > 170 natural gas regulatory stations on the territory of the country
- Capacity of the natural gas transmission network - 26 billion m<sup>3</sup>

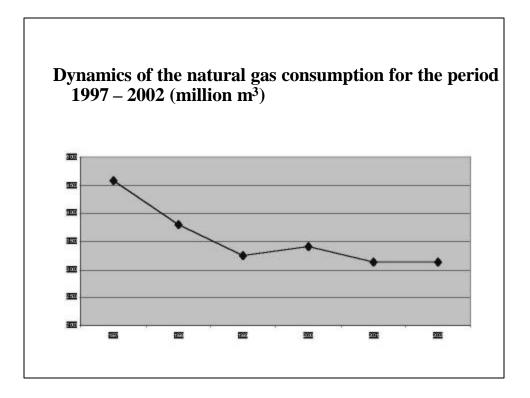




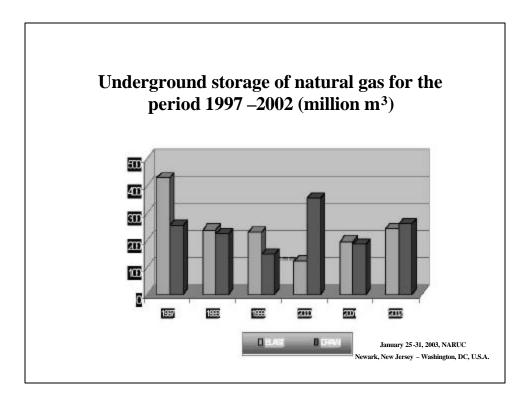


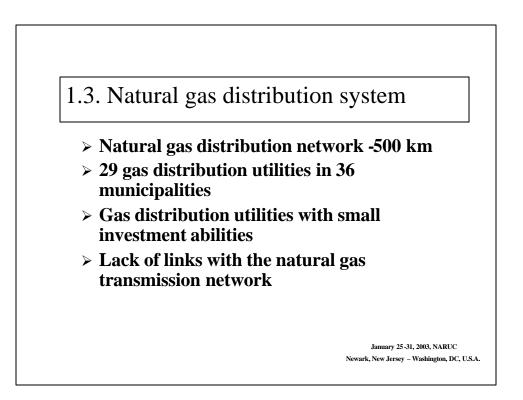


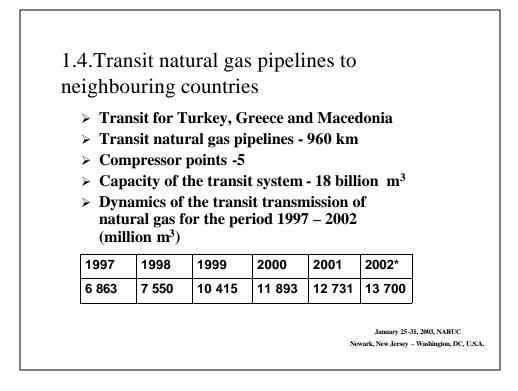


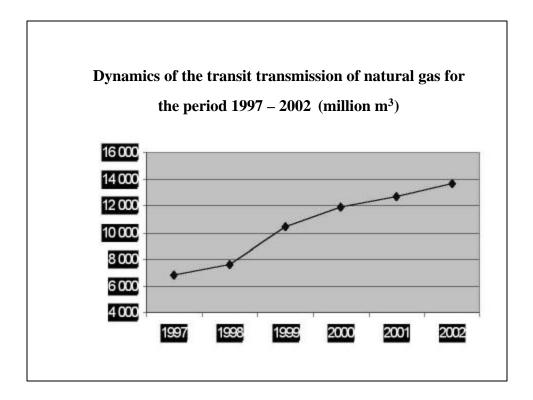


	l gas sto					
Und	erground	l stora	nge of r	natural s	eas for t	the
0	U		U	(million	_	
	-					
Year	1997	1998	1999	2000	2001	2002*
rear						
Blast	429	238	229	121	194	240



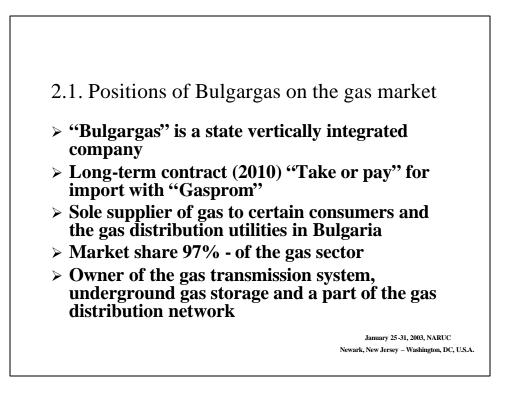






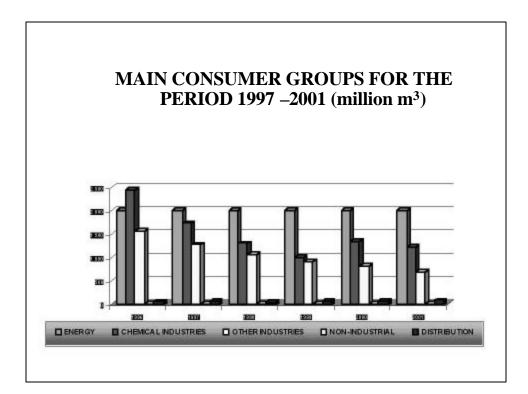
#### 2. Market structure

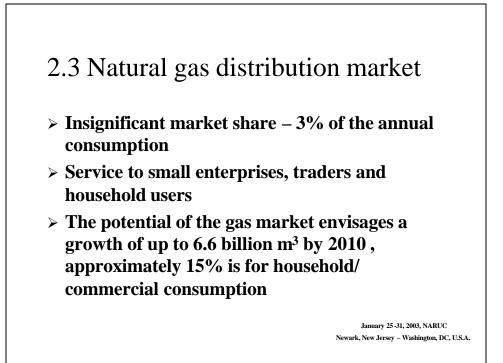
- 2.1. Positions of Bulgargas on the gas market
- 2.2 Structure of the consumption
- 2.3 Gas distribution utilities on the market

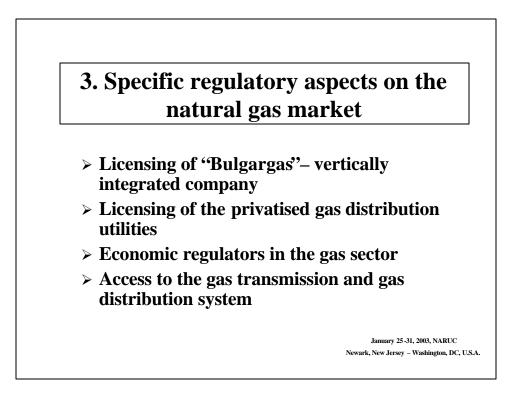


#### 2.2.Structure of the consumption

YEAR CONSUMER GROUPS	1996	1997	1998	1999	2000	2001
ENERGY	1665	1524	1379	1336	1 167	1 136
CHEMICAL INDUSTRY	2 435	1 730	1 297	996	1344	1214
OTHERINDUSTRIES	1562	1264	1064	915	821	694
NON-INDUSTRIAL	7	4	4	3	3	3
DISTRIBUTION UTILITIES	62	72	47	74	82	93
TOTAL	5 731	4 594	3 791	3 324	3 417	3 140

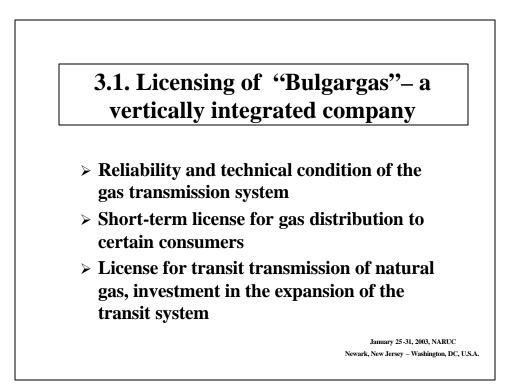






## **3.1.** Licensing of "Bulgargas"– a vertically integrated company

- License for transmission and storage of natural gas- operator of the gas transmission system
- > Import of natural gas, regular payment for the deliveries
- Connecting to the gas distribution utilities and new consumers
- Problems as regards non-payment of consumers
  January 25-31, 2003, NARUC Newark, New Jersey – Washington, DC, USA.



#### **3.2. Licensing of the private gas distribution utilities**

- After 1999 the new energy act changes the regimemunicipal concessions with regional licenses
- > Ownership of the investor over the gas distribution network
- > 36 regional licenses have been issued by municipalities to the concession companies
- The gas distribution utilities have an insignificant -3% market share, in small municipalities with a very limited market

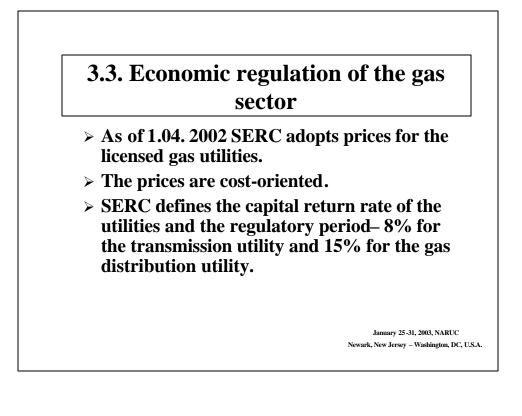
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#### 3.2. Licensing of the private gas distribution utilities

- > Problems with investments and ownership. Development plans.
- > Price policy the distribution price does not cover the costs for gasifying small and medium consumers
- Competition of the gas for household needs with the subsidised heating and the low price of electricity

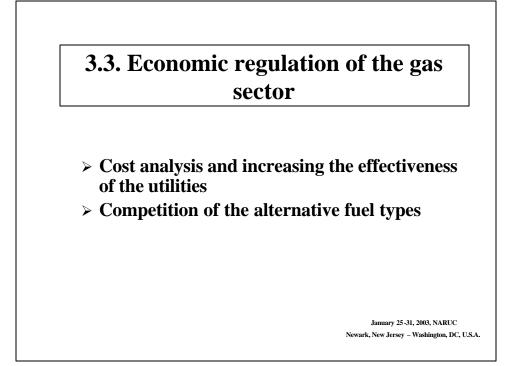
## **3.2. Licensing of the private gas distribution utilities**

- Lack of experience and standards.
   Problems with the management of the gas distribution utilities
- > Need of alleviating the procedures for the construction of network and internal installations.





- > Guarantees for return of the investments
- > Single price of the transmission utility
- > Regional price for the gas distribution utilities
- Normalisation of price levels and differentiation. Removal of the crosssubsidizing between consumer groups.



## 3.4. Access to the gas transmission and gas distribution systems

- > Adoption of secondary legislation providing access to the gas transmission and distribution system.
- > A step towards market liberalisation in line with the EU natural gas directive.
- Setting criteria for privileged consumers– 80 million m<sup>3</sup>

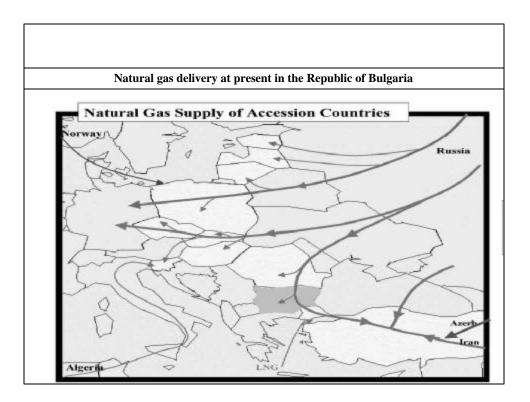
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## 3.4. Access to the gas transmission and gas distribution systems

- > Opening of the market- 75%, connected to the structure of consumption.
- Limiting the access of consumers with outstanding bills
- Providing guarantees for consumer interest protection- regulated transmission price, market rules and control exercised by SERC

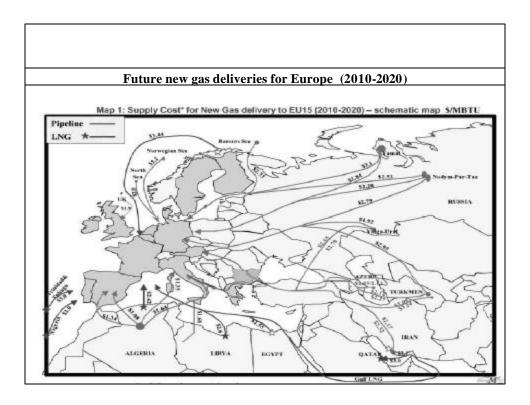
#### 4.1. Trend sin the gas sector development

- > Security of the supply and reliability of the gas supply system
- > Restructuring, privatisation, liberalisation of the market and a modification of the consumption structure
- > Constructing new gas distribution networks
- Expanding the opportunities for natural gas transit to neighbouring countries



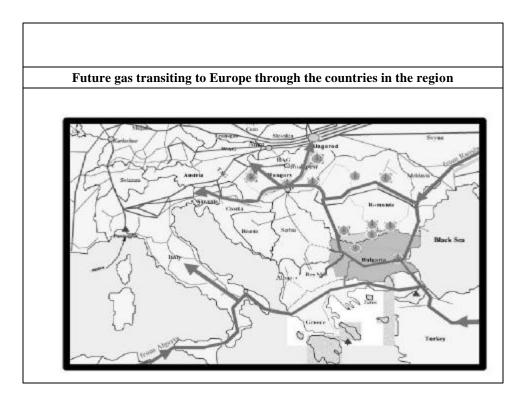
#### 4.1. 1. Security of the delivery and reliability of the gas supply system

- Strong dependence on Russia . Long-term contract till 2010– "Take or pay"
- Seeking opportunities for diversification of the deliveries
- 1. Import from Turkmenistan, Iran through Turkey
- 2. Increase of the local yield– "Galata" gas field 2 billion  $m^3$  (0.5 billion  $m^3$  )
- **3.** Connection of the Bulgarian gas transmission network to the European one.



# 4.3. Construction of new gas distribution networks

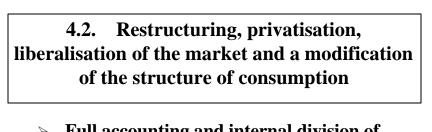
- Permits and licenses for transit transmission of natural gas through the territory of the country;
- Connecting to the gas distribution networks of neighbouring countries;
- Natural gas sale conditions;
- Access to the gas transmission and distribution networks;



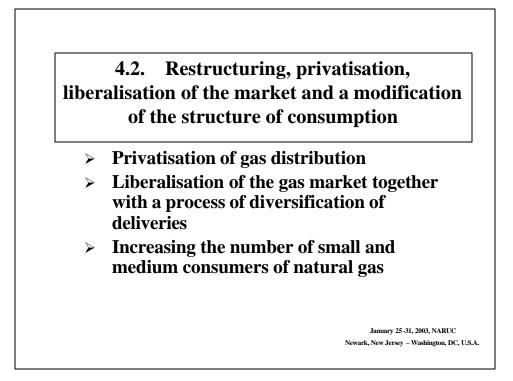
#### **4.1. 1.** Security of the deliveries and reliability of the gas supply system

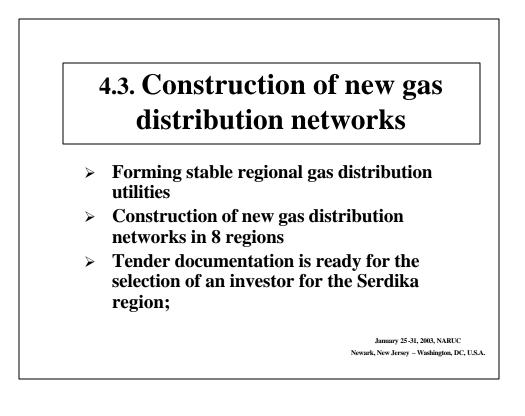
- Expansion of the natural gas storages– Chiren and construction of new gas storages
- Investment in the maintenance and expansion of the transmission system

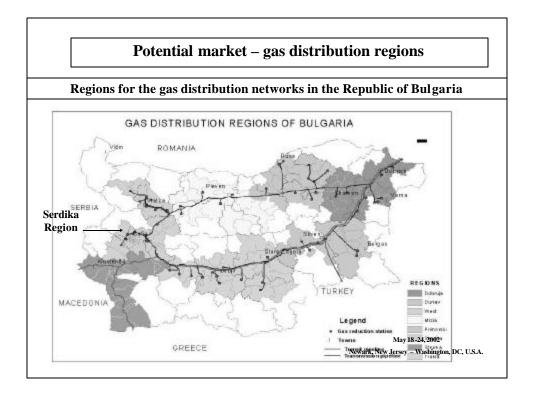
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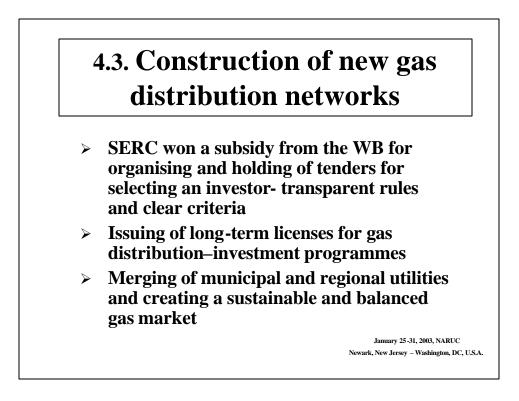


- Full accounting and internal division of the import , transmission and distribution network in Bulgargas
- > Registration import regime
- Withdrawal of the transmission company from gas distribution – creating conditions for market equality



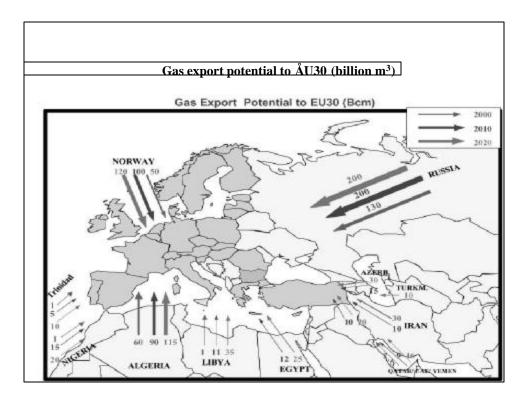






#### THE STATE ENERGY REGULATORY COMMISION

- 5. Gas transit projects through Bulgaria
- > Strategic position of Bulgaria
- > Prerequisites for gas transit to Europe
- Competitiveness of the transit tariffs and political stability
- > The Contract under the Energy Charter. Agreements between the countries in the region for gas transit to Europe
- > Gas pipelines of Bulgaria from other sources
- > Implementing EU directives;



Key issues:

- 1. Measurements accuracy class, ownership of the meters, control, etc. ;
- 2. Ownership over elements of the networks;
- 3. Relations with municipalities as regards the future gasification data, charts and information needed for the holding of tenders;
- 4. Odorization of the gas control and methods;
- 5. Household consumers- ways of initial subsidizing of the future consumers;
- 6. Main rules of the gas market.

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