

# بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

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- Chairman of Asia Oil and Gas show 2009 Conference - Seoul

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**Developing a coherent strategy  
Managing the Interconnected Challenges of  
climate change, energy, ecosystems and water**

**Energy - enhancing the future**

*City Hall, Winterthur,  
6<sup>th</sup> - 7<sup>th</sup> November 2008  
Switzerland*

# Resources Management Sustainability at its Best

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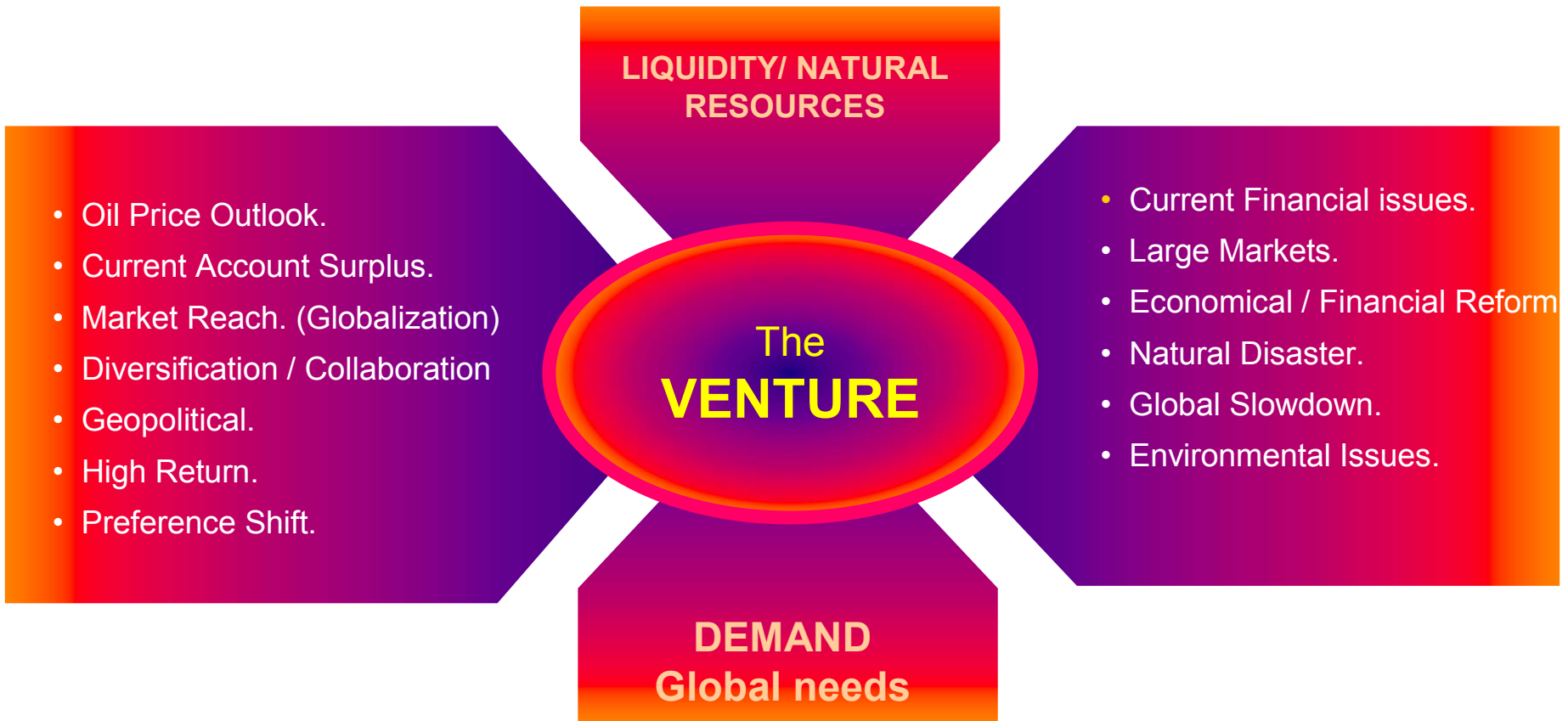


# RECSO Members



# The Opportunity

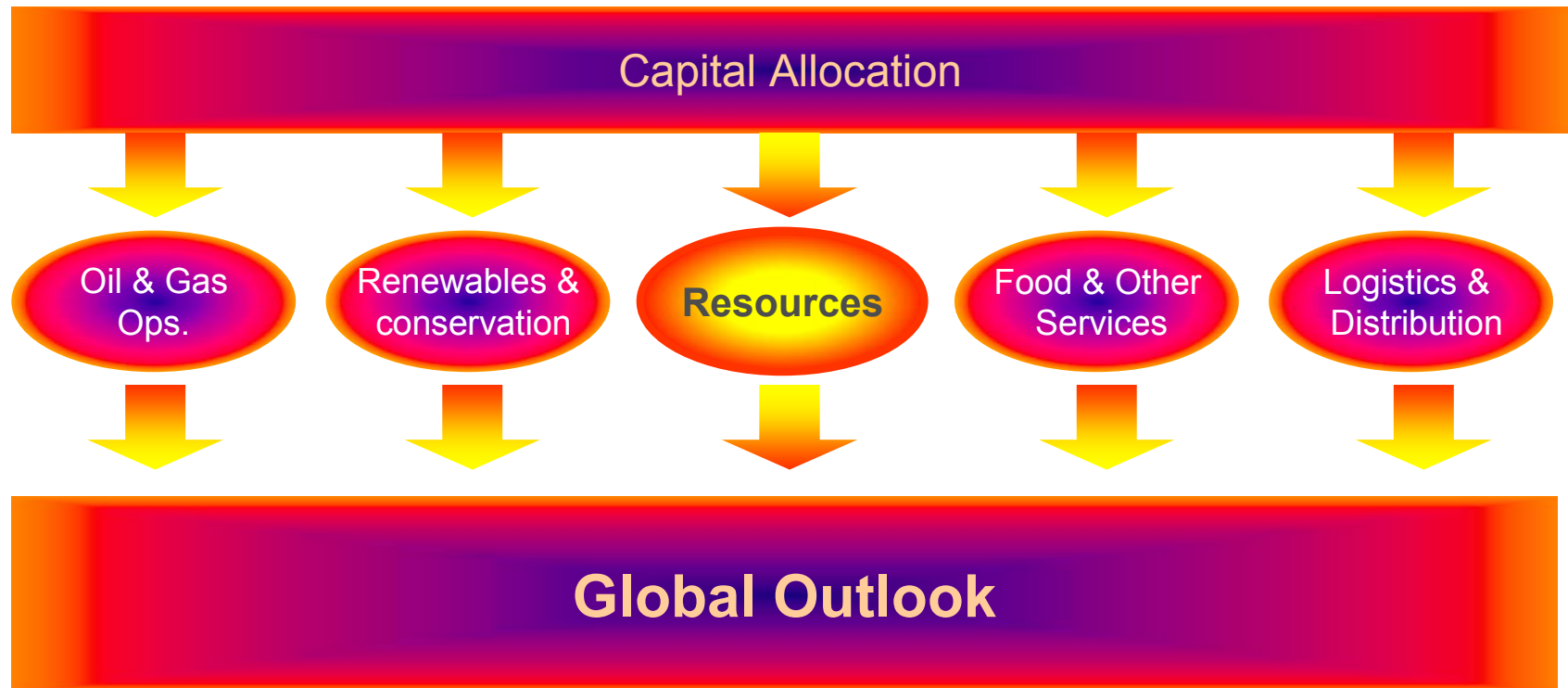
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## Integration & Economic Synergies

# Re-Focus Capital

Strength of Societies evolves around four main pillars, strong vision/product offering, wide geographical coverage, adequate capital base, Human assets.

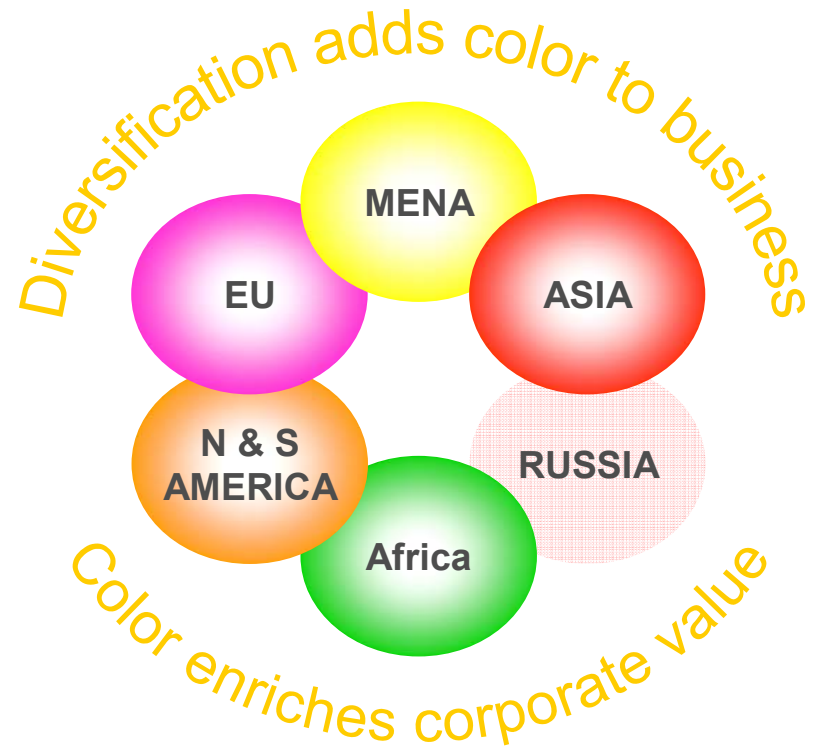


# Energy Diversification

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To maximize value of change, the structure shall consider the following objectives:

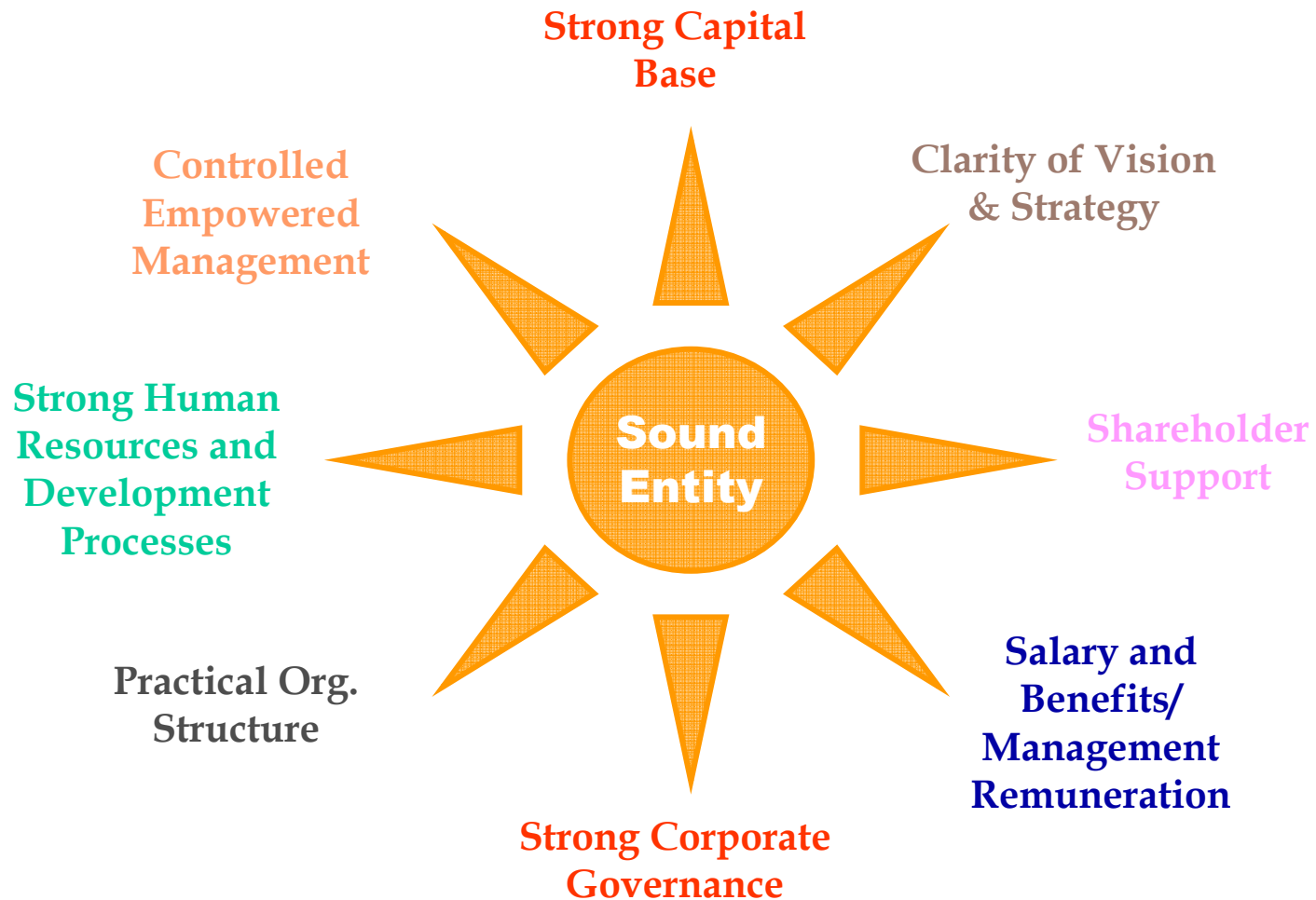
- Wide geographical coverage (regional diversification).
- Industry mix (sectored diversification).
- Strategic investments.
- Institutional and business dignities
- New Guidelines and Reforms.
- Resources Management



N.B. *Balanced distribution of regional weighting must be maintained at its optimum level.*

# Critical Success Factors

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# *The GCC Region must have.....*

- Energy Stability
- Managing Resources
- Knowledge Sharing and Technology Transfer
- Skills Building and Know How
- Total Sustainable Development
- National and Regional Strategies
- Cooperation not Competition
- Share Value & Minimize Risk
- Quality not Quantity
- Total Environment Outlook
- Technology at Cost
- Managing Growth
- Crises Management



- The GCC strategies uphold the UN Millennium Development goal which calls for the implementation of its three pillars of sustainable development - economic development, social development and environmental protection.
- We need to start creating a vision and a road map that can propel the GCC countries to its next phase of development and growth.
- We need to be strong believers with unwavering commitment to regional and global cooperation.

# *Energy for Tomorrow*

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A secured future for energy depends on how energy is developed and used today. With shifting supply and demand trends in energy and changing fuel prices, countries and companies are working on a number of alternative, renewable and environmental efforts to help secure tomorrow's energy solutions.

- ✓ **Expand Resource base, Improve communities, promote and discover innovative energy and environmental conservation programs.**



➤ Oil & Gas

➤ Solar

➤ Ocean

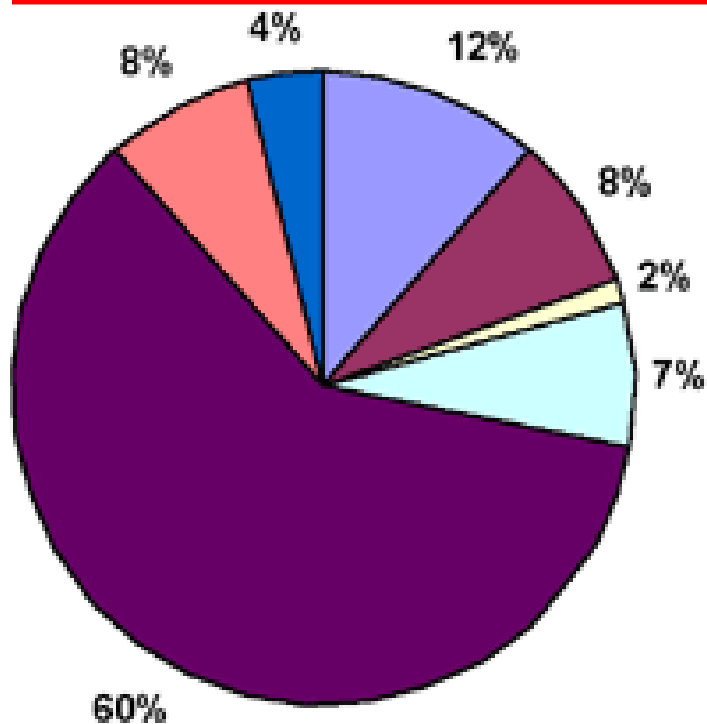
➤ Wind

➤ Refining and Petrochemical

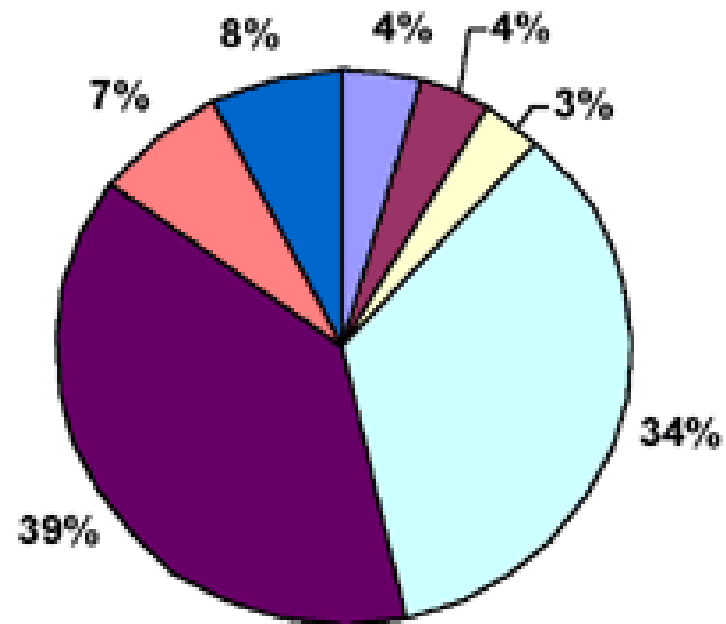
➤ Human Aspects

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- Energy solutions must be reliable, available and environmentally responsible.
  - Sustainable development stems from our fundamental intent to prosper as a nation and or business and to meet the energy needs of present and future generations.
  - CO2 capture & storage has high cost and substantial extra energy is required which presents serious hurdles to widespread use. Moreover, questions remain about whether CO2 stored underground could eventually leak out. We are still a long way from finding the most cost-effective solutions to the technical challenges involved.

**% Global Oil Reserves**

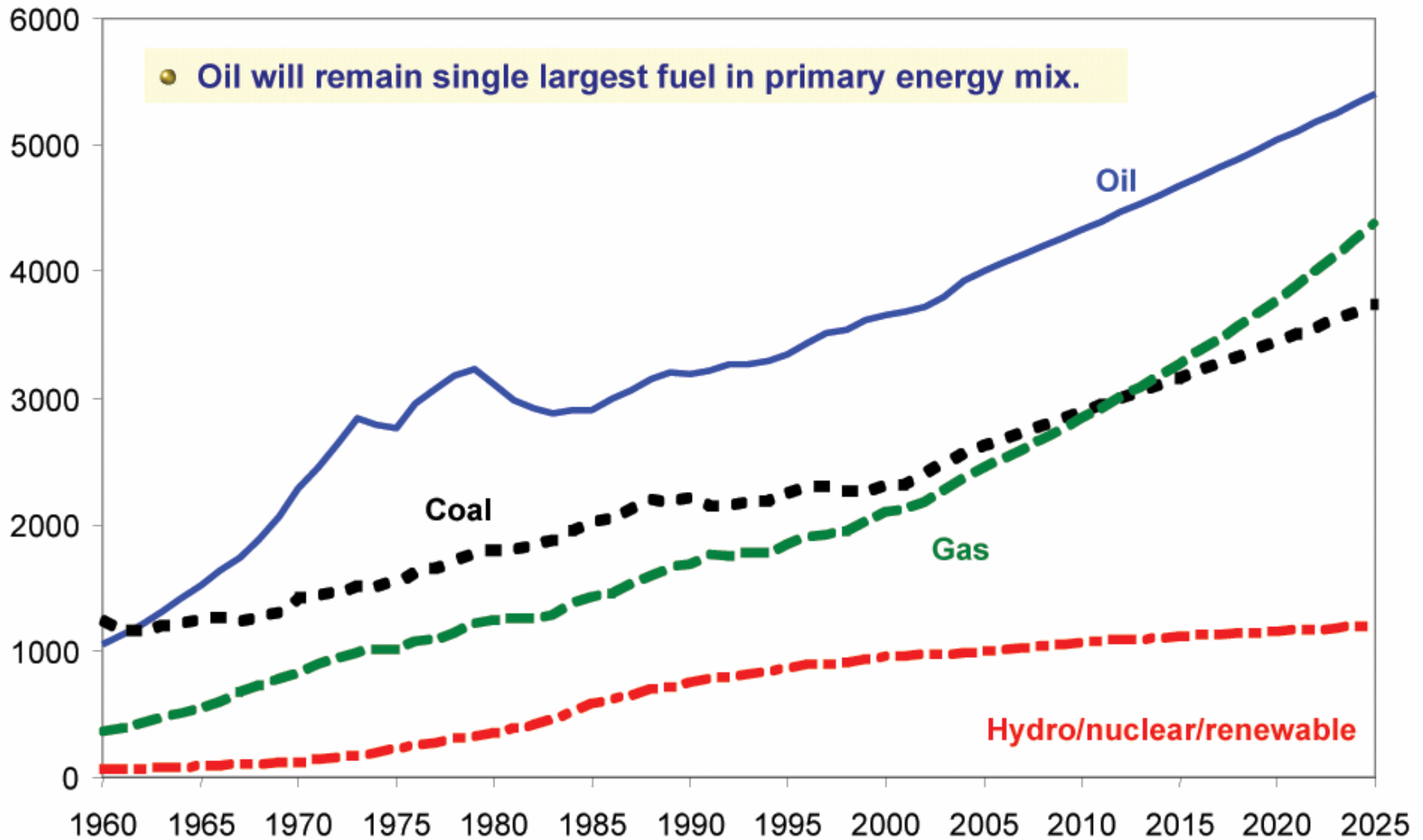


**% Global Gas Reserves**

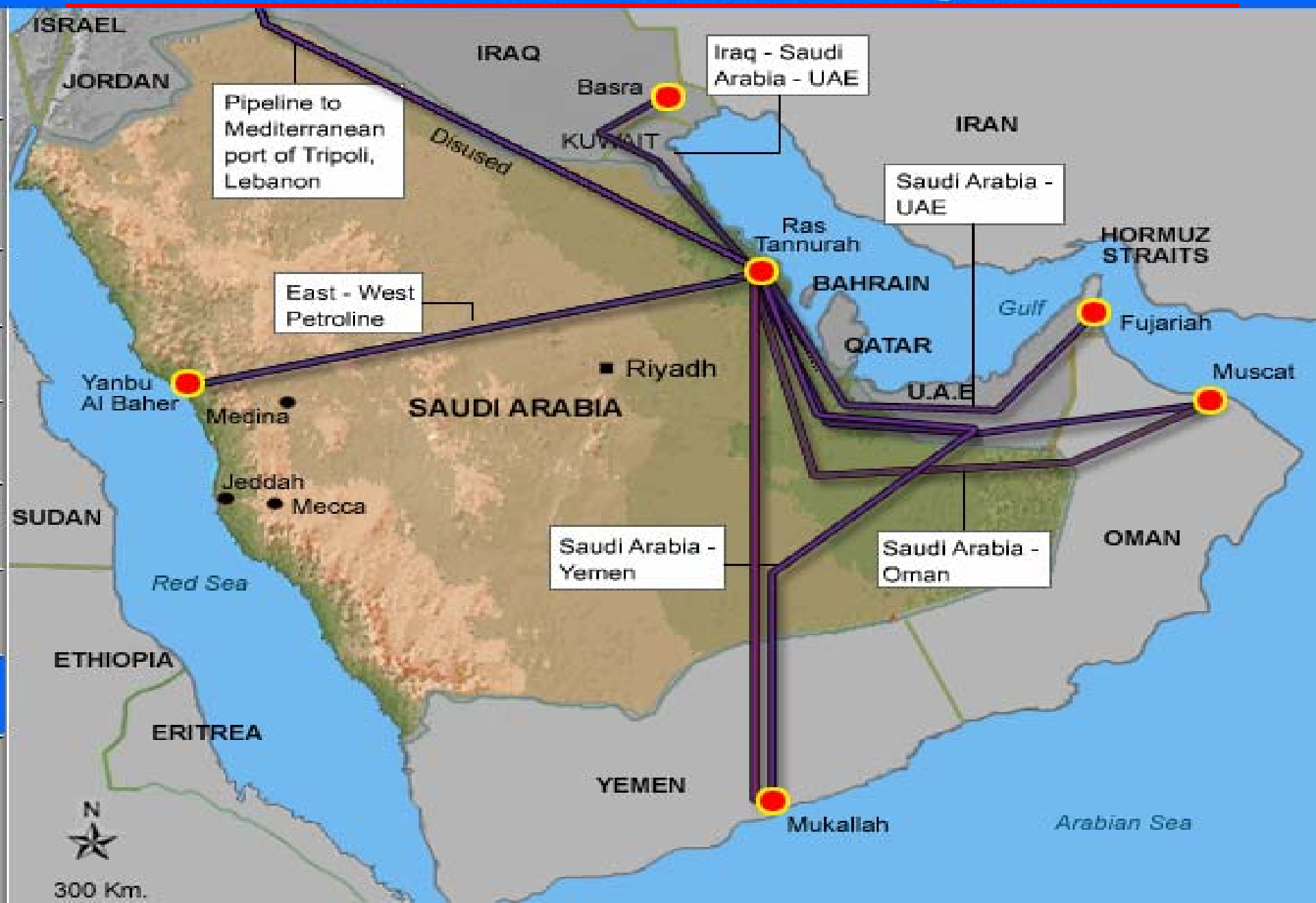


- |                |                                  |
|----------------|----------------------------------|
| North America  | Central & South America          |
| Western Europe | Eastern Europe & Former U.S.S.R. |
| Middle East    | Africa                           |
| Asia & Oceania |                                  |

# World Energy Demand/Mix by Fuel Type (mtoe)



# SAUDI-EMIRATES TRANS-ARABIA PIPELINE NETWORK TO DETOUR HORMUZ. August 2007



# Develop a Position

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## Conversation on Energy

To address current and future energy needs, we need to launch a public outreach program to discuss energy solutions that are secure, reliable, available and environmentally responsible. The foundation of this program is a two-way dialogue, which should take place across all sectors.

## Climate Change Position

We should support a mandatory national framework to address greenhouse gas emissions and join a regional and global Climate Change Action Partnership. We need an environmental leadership group dedicated to the quick enactment of strong national legislation that would require significant reductions of greenhouse gas emissions. Develop a regional crises management body.

## Sustainable Development Position

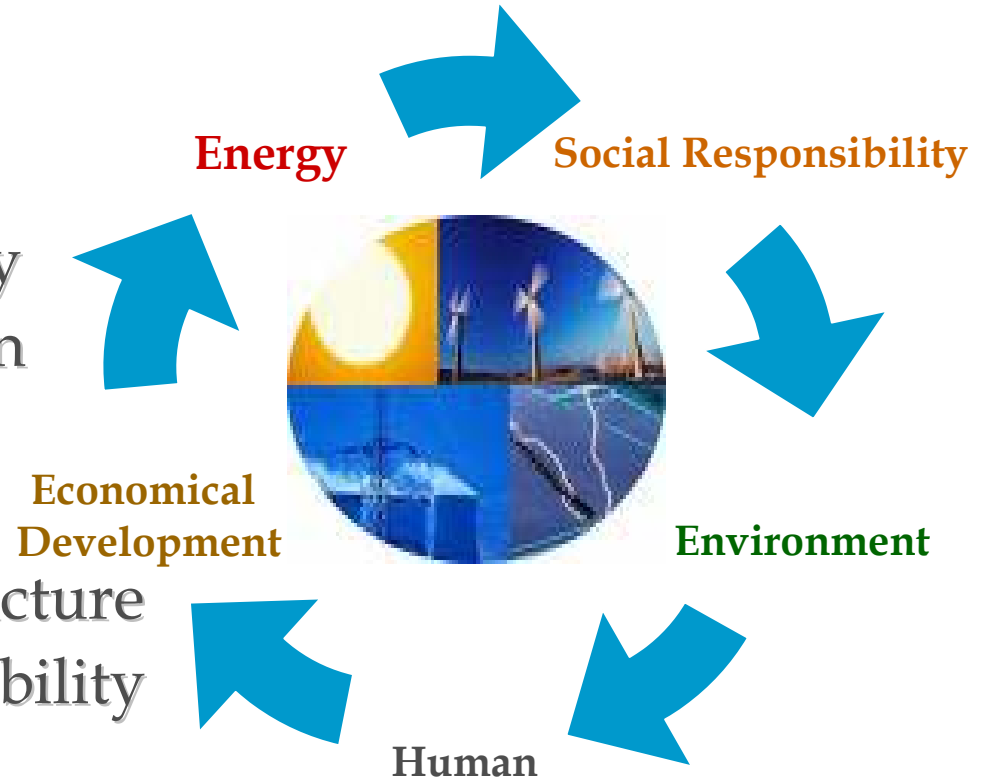
Sustainable Development is about conducting our business to promote economic growth, a healthy environment and vibrant communities, now and into the future.

## Water Sustainability Position

As responsible citizens/businesses committed to sustainable development, we must recognize that fresh water is an essential natural resource for communities, businesses, and ecosystems.

# World Hot Topics

- Climate Change
  - Global Warming
  - Natural Disasters
- Energy Security
  - Build Capacity/Strategy
  - Efficiency/Conservation
  - Renewables
- Sustainability
  - Development/Infrastructure
  - Health/Social Responsibility
- Geo-Political Issues
  - Unrest /Terrorism / Wars



# Emphasis on Technology

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## Resources



- Expand Energy Resource & Capacity
- EOR- Enhanced Oil Recovery  
Advanced Environmental Protection
- Develop and Promote Skill Building
- New Technologies - Exploration

## Differentiated Fuels



- Low-Sulphur Fuels
- High-Performance Fuels
- Bio fuels
- Gas-to-Liquids and Coal-to-Liquids

## Renewables



- Solar
- Wind
- Hydrogen
- Oceans
- Biomass

✓ **Advanced Energy Solutions**

# Concluding Remarks

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- ❑ We need to build on what we have achieved and create opportunities for the future. Must think of value rather than volume.
- ❑ We need better well planned cooperation within the region especially between government bodies and industry.
- ❑ We need to enhance and develop better management tools to ensure sustainability and long term effectiveness and viability.
- ❑ We need a better understanding of regional environmental issues and concerns and accordingly have a regional committee represent the governments, the industry and the environmental groups and bodies.
- ❑ We need to redirect our investment into energy and environmental projects to ensure innovation and social development.
- ❑ Appreciate the key role of energy in supporting the three pillars of sustainable development (social, economical and the protection of the environment)
- ❑ Recognize the role of technology in addressing climate change.
- ❑ The pressing need to create opportunities for our emerging youth.

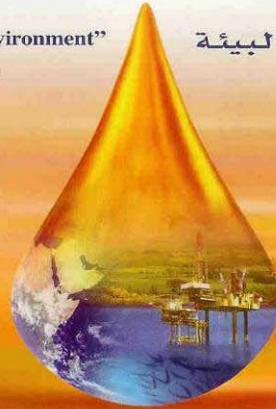
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Dubai, International Convention Centre

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شكراً Thank you