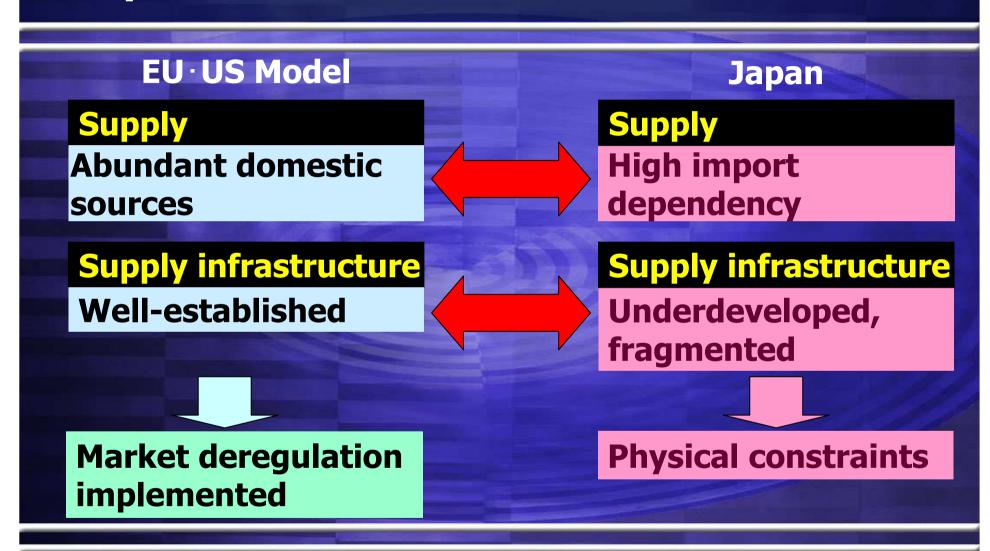
Strategic Panel: The Art of Regulation

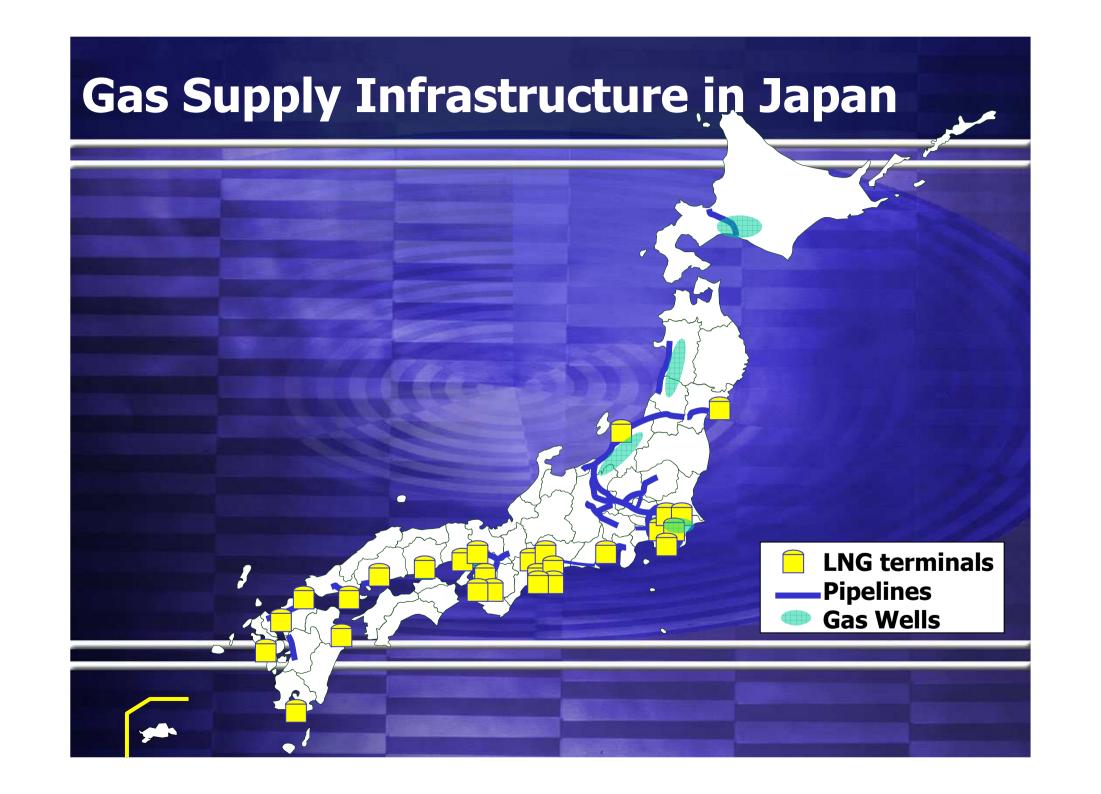
Impact of Down Stream Market Design on Upstream Investments

Yasuo Ryoki

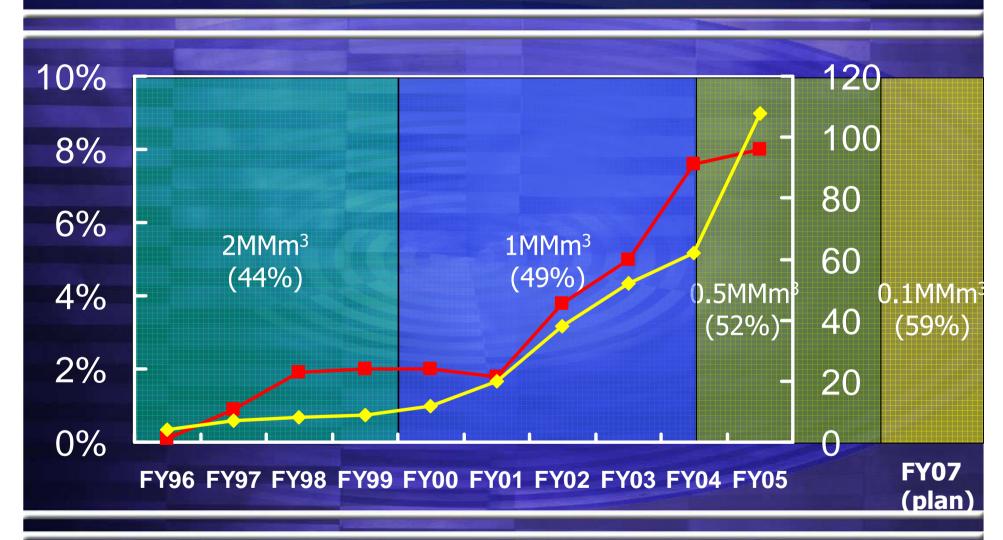
Acting Head
Energy Resources Business Unit
Osaka Gas Co. Ltd.,

Comparison of Gas Market Liberalization





Gas Market Liberalization in Japan

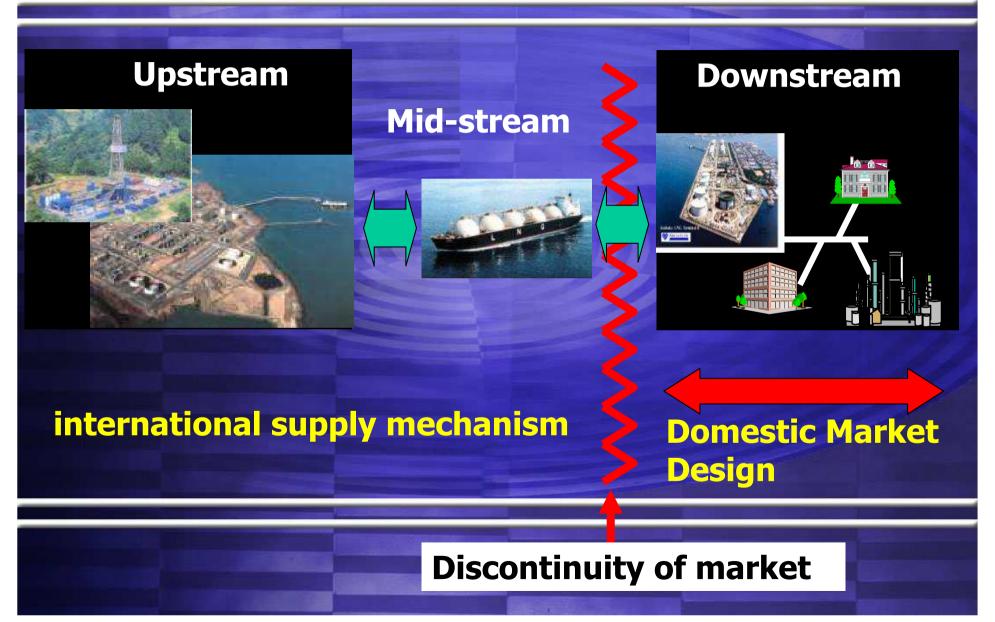


Threshold (Market Opening)

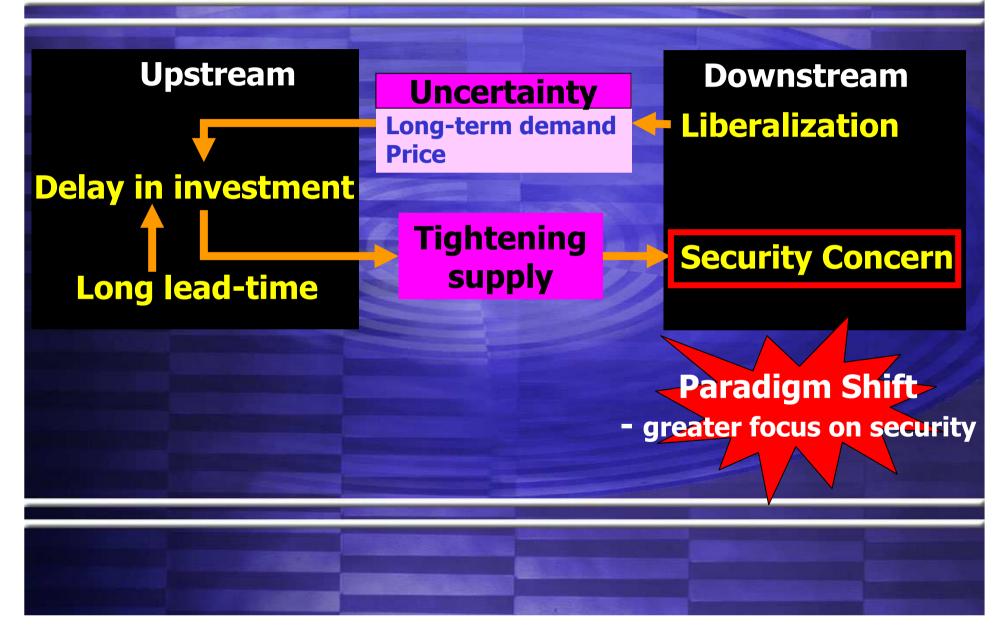
% of market share held by new entrants (left axis)
Number of customers acquired by new entrants (right)

Source :METI(2005.12)

LNG Supply Chain Model and Regulation of Importer



Impact of Down Stream Market Design on Upstream Investment





Japanese market features

- near total dependence on imports
- underdeveloped pipelines
 - i.e. different environment

Disciplined Deregulation

- establishing realistic demand outlook
- encouraging foreign upstream investment