

OIL AND GAS ACTIVITIES IN KOREA



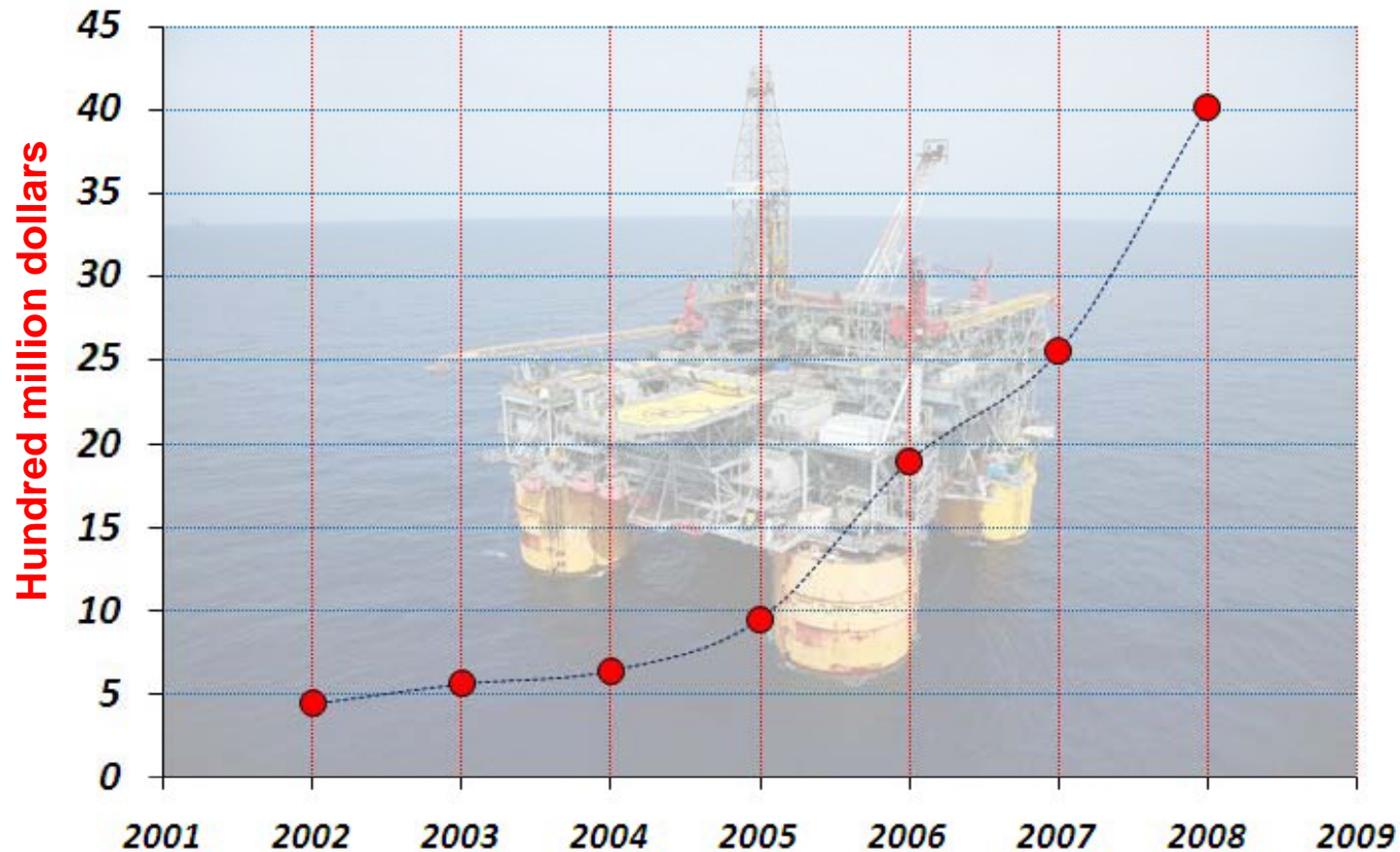
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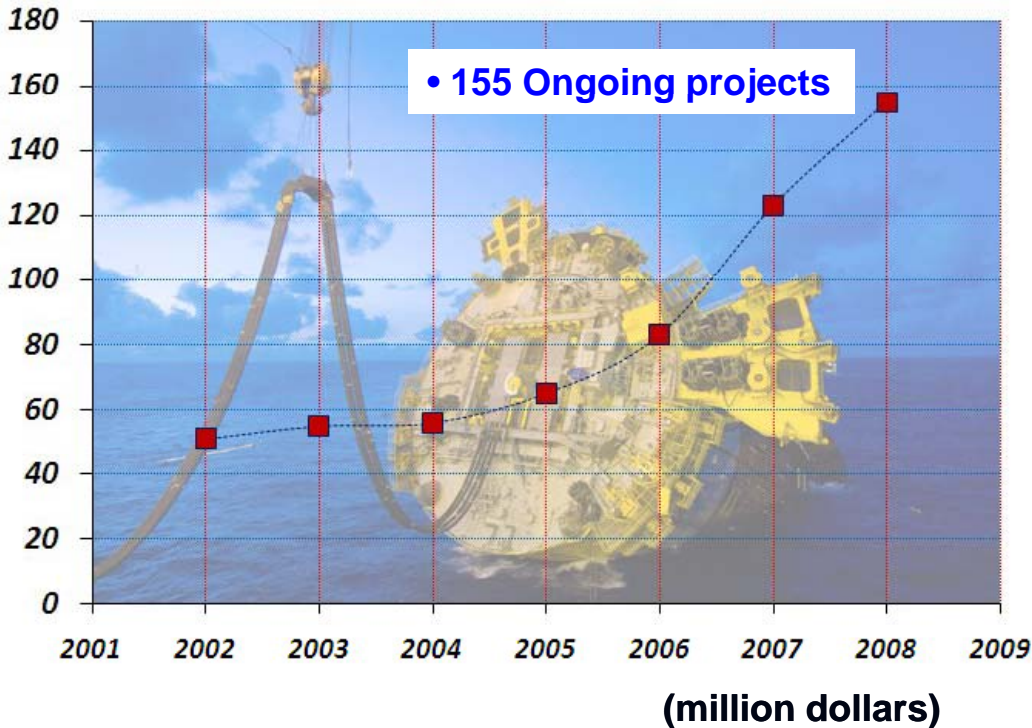
Overseas investment for Oil & Gas production



- **40.2 hundred million dollars, 57.6% increase**
- **172.2 thousand barrel per day (2008), 37% increase**
- **35 new projects - 36 Countries**

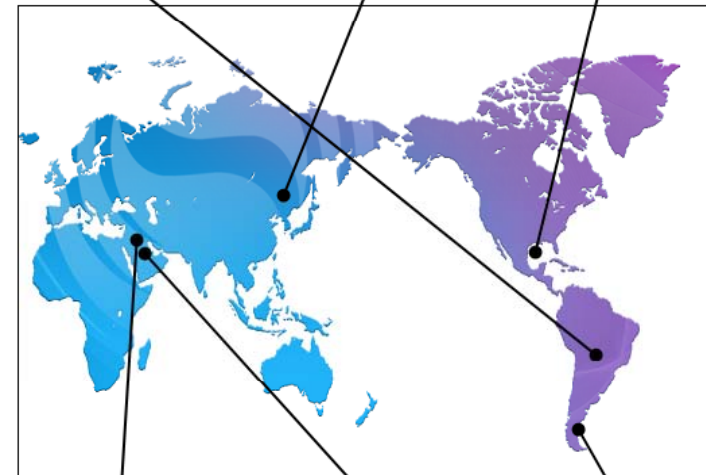


Overseas investment for Oil & Gas production



	2006	2007	2008
Exploration	461 (24%)	592 (23%)	1,083 (27%)
Development	468 (25%)	772 (30%)	248 (6%)
Production	969 (51%)	1,185 (47%)	2,687 (67%)
Total	1,899	2,549	4,018

브라질 BMC-8 해상광구	확인매장량 59백만배럴	중국 마형산서 육상광구	확인매장량 2.3백만배럴	미국 멕시코만 해상광구	추정매장량 1.5Tcf (최대3억 배럴)
○'07.7 상업생산개시 ○'08년 일산 50천배럴 원유 생산예정		○'07.11 상업생산개시 ○'08년 추가 탐사실시를 통한 생산증대 예정		○'07.12 최종착찰 통보 ○'08년 시추예정 (탐사성공율 50%)	



이라크 Bazian 육상광구	추정매장량 5억 배럴	에센 4 육상광구	확인매장량 원유 35백만배럴	아드엔티나 엘비날라드 육상광구	확인매장량 원유 2백만배럴
○'07.11 본계약 체결 ※ 한국 최초 단독 이라크 유전개발사업 진출		○'07.5 본계약 체결 ○'08년 기존 탐사자료 재처리 및 해석을 통한 개발 작업 준비		○'07.1 추가시추 성공 ○'07.12 유정보수 작업을 통한 중산성공(500b/d)	



Domestic investment for Oil & Gas production



Basin	Area (Sector)	Exploration (L-km)		Drilling Well	
		'70-'08	'09-'18	'70-'08	'09-'18
West	1, 2, 3, 1-2, 1-3, 2-2	57,951	67,000	6	6
South	4, 5, 6-2, JDZ	95,802	74,000	14	6
East	6-1, 8	137,711	76,000	23	8
Total	12 Areas	291,464	217,000	43	20
		508,464		64	

- **KNOC & Woodside (Australia)**
 - 2007 Contract for 6 years
 - 2011 Planning on drilling

- **JDZ**
 - 2009 Nov. Drilling





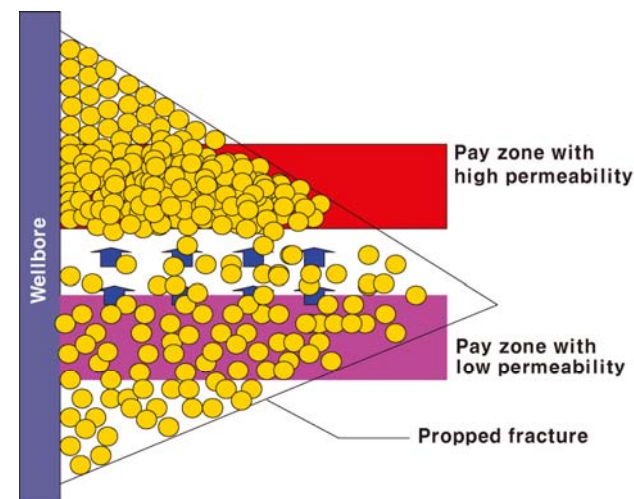
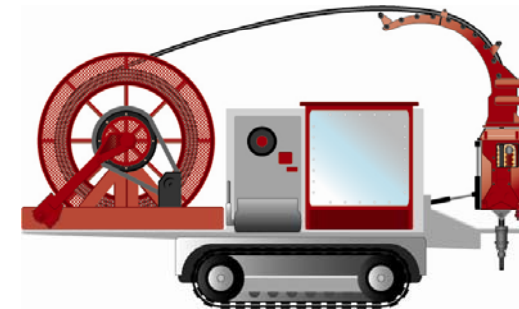
Research on Oil & Gas Engineering

✓ Energy Technology Innovation (ETI)

- Coiled Tubing Drilling
- Oil-Sand
- CMB
- EOR

✓ Gas Hydrate

- 2st Drilling & Coring, 2010
- IODP, JR





Thank you
Questions